CONSTRUCTION NEWS

Engineering News-Record, Dec. 31, 1925

Where name of official is not given inquiries should be addressed to City Clerk, County Clerk or corresponding official.

Waterworks

PROPOSED WORK

N. J., Spring Lake—D. H. Hills, mayor, Council Chamber, rejected bids Dec. 7, cross compound steam, 2 stage, air compressor, etc. Will readvertise. J. L. Sweigard, 1120 Lincoln Bldg., Phila., Pa., engr. Noted Nov. 26.

W. Va., Wheeling—H. L. Kirk, city mgr., soon takes bids mains in 6th, 11th and 12th Wards. $60,000. H. Arbenz, city engr.

N. C., Ashville—City retained J. L. Ludlow, engr., Winston-Salem, to make a study and report on 2 mountain gravity water supplies of 25 or 30 m.g. per day, one in Pisgah Mountain section and other in Great Craggy Range. This corrects report in Dec. 24 issue, under Winston-Salem.

La., Maringouin—Election Dec. 29, $20,000 bonds, complete waterworks and distribution system.

O., Berea—Making preliminary plans and takes bids in spring addition to filter house and 800,000 gal. pumping unit. $75,000. G. Champe, Nasby Bldg., Toledo, engr.

O., Vermilion — Making plans filtration plant. $25,000. G. B. Gascoigne, Leader-News Bldg., Cleveland, engr.

Wis., Gillett—P. Nygaard, village clk., plans election in spring, bonds to exceed $15,000, waterworks, incl. deep well, pumping station, reservoir, elevated tank, etc. McMahon & Clark, Menasha, engrs.

Ia., Emerson—Making plans waterworks. $20,000. W. E. Buell & Co., 205 Davidson Bldg., Sioux City, engrs.

Neb., Rushville—Plans election $17,000 bonds, waterworks extension.

Mo., Charleston—Election Jan. 12, $51,000 bonds, complete waterworks and distribution system. F. L. Wilcox, 924 Chemical Bldg., St. Louis, engr. Noted July 16.

Mo., Crane—Voted $52,000 bonds, waterworks and distribution system. Russell & Axon, McDaniels Bldg., Springfield, engrs. Noted Dec. 10.

Ore., Medford — Bd. Water Comn. takes bids about Feb. 1, new water system, incl. 38 mi. steel mains and 3,500 to 4,000 steel plates. $1,000,000. Address City Engineer. Noted Oct. 29.

Calif., Garden Grove—Plans election $25,000 or more bonds, new pumping plant, fire hydrants, etc.

BIDS DESIRED

N. C., Kinston — Jan. 15, by W. A. Mitchell, mayor, sinking 1 or 2 wells, etc. Noted Dec. 17.

Fla., Ft. Lauderdale—Jan. 15, by Mayor and Bd. Comrs. at office B. J. Horne city mgr., 3 mi. 6- to 16-in. c.i. pipe, valves, hydrants, etc. Solomon & Keis, Ft. Lauderdale, engrs.; adv. E. N.-R. Dec. 31.

La., Lake Charles — See "Contracts Awarded."

Ill., Lebanon—Jan. 5, by City Clerk for Bd. Local Impvts., 34,600 ft. 4- to 6-in. c.i. pipe, 45 fire hydrants, eight 8 in. twenty-two 4 in. and twenty-two 6 in. gate valves with boxes, fittings, etc. Caldwell Eng. Co., Jacksonville, engrs.

Wis., Menasha—Jan. 5, by J. F. De Caro, city clk., 1,884 ft. 6 in., 430 ft. 8 in. and 126 ft. 4 in. Class "C" water pipe, 5 hydrants, one 8 in. gate valve, etc., for Water Dept. To exceed $15,000.

BIDS RECEIVED

Tex., Frost—W. Smith, mayor, Dec. 9, waterworks distributing system, from N. A. Eaigh Co., c/o Builders Exch. Bldg., San Antonio, $28,488. Noted Dec. 3.

Tex., Port Arthur—City, c/o J. P. Logan, mayor, structure work for filtration plant, from Cope & Fisher, Decatur, Ill., $182,000; pumps and electrical equipment for plant, from Chalmers Mfg. Co., New Orleans, La., $14,375; filter equipment for plant, from Roberts Filter Mfg. Co., Darby, Pa., $28,770. Noted Dec. 3.

CONTRACTS AWARDED

La., Lake Charles — Louisiana Electric Co., Inc., will build 1 m.g. rein.-con. reservoir, and brick and concrete filtration plant. Work will be done by own forces.

Mo., Buffalo—E. C. Miller, city clk., deep well, to J. E. George, Buffalo, $1,800; 22 hydrants and 39 gate valves, to H. Cooper Supply Co., Springfield, $1,800; 24,798 ft. 2- to 8-in. pipe, to Central Fdry. Co., Jefferson Co. Bank Bldg., Birmingham, Ala., $15,000. Grand total $18,600. Noted Dec. 10.

Sewers

PROPOSED WORK

Tenn., Nashville—Voted $1,000,000 bonds, trunk and sanitary sewers in various streets. H. E. Howse, mayor. Noted Nov. 12.

O., Berea—Plans sewage plant and sewer lines in various streets. $100,000. M. Knowles, Hanna Bldg., Cleveland, engr.

O., Cincinnati—Hamilton Co. plans 29,327 ft. 6- to 15-in. vitr. clay sewers, incl. pumping station, equipment, etc., in Beechwood and Edgemont Subdivisions. $108,205. L. C. Boyatt, Court House, engr.

Ill., Mount Olive — Making preliminary plans sanitary sewers, etc., in Dist. 2. $88,500.

Ia., Oelwein—Takes bids about Feb. 1, 100 x 150 ft. trickle bed type sewage disposal plant, incl. piping. $35,000-$60,000. T. N. Carnell, mayor.

Mo., Charleston—Election Jan. 12, $30,000 bonds, complete sanitary sewerage system. F. L. Wilcox, 924 Chemical Bldg., St. Louis, engr.

Tex., Alice—Making preliminary surveys sewerage system. $50,000. J. H. Briggs, Alice, engr.

Tex., Brady — Making plans complete sewerage system. $100,000 bond issue available. E. A. Burrows, city engr. Nagle, Witt & Rollins, Santa Fe Bldg., Dallas, consult. engrs.

Okla., Oklahoma City — Voted $950,000 bonds, 2 new sewage disposal plants and 3 mi. outfall sewers in various streets. B. M. Hart, City Hall, engr. Noted Aug. 27.

Calif., Lakeport—Making plans improving and extending sewerage system. $25,000 or more.

Calif., Orcutt — Orcutt Sanitary Dist. voted $31,000 bonds, sewerage system. Burch & Beck, Commercial Bank Bldg., San Luis Obispo, engr. Noted Dec. 10.

Calif., San Carlos — City Trustees postponed bids which were to be opened Dec. 14, 1½ mi. vitr. or concrete outfall sewer in various streets. G. A. Kneese, Courthouse, Redwood City, engr. Will advertise later. Noted Dec. 3.

B. C., Vancouver — Plans sewers in various streets. $250,000. C. Brackenridge, City Hall, engr.

BIDS DESIRED

N. Y., Brooklyn—Jan. 6, by J. A. Guider, pres. Brooklyn Boro, Boro Hall, sewer in Rutland Rd. and East 18th St.

N. Y., Long Island City—Jan. 4, by M. E. Connolly, pres. Queens Boro, Queens Subway Bldg., storm sewer in Metropolitan Ave.; combined sewer in Woodward Ave.; sewers in Ericson St., North Conduit and 133rd (Blake) Aves.

Fla., Lake Wales — Jan. 6, by L. F. Kramer, mayor, sanitary sewer and disposal plant. Bishop Eng. Co., P. O. Box 477, Orlando, engrs.

Ala., Montgomery — Jan. 26, by J. L. Cobbs, city treas., constructing Southern Outfall Sanitary Sewer Lines; adv. E. N.-R. Dec. 31.

Ill., Springfield—Jan. 26, by Bd. Trustees Springfield Sanitary Dist., West Side Intercepting Sewers and Appurtenances, Divs. E, F, G, H, and I. S. S. Breese, pres.; adv. E. N.-R. Dec. 31.

O., Akron—Jan. 28, by W. F. Peters, dir. Pub. Serv., sewage disposal plant, 33 m.g. capacity, Detritus, Humus and Imhoff tanks, trickling filters, sludge drying beds, etc. $3,000,000. J. E. Root, Delaware Bldg., engr. Noted Dec. 10.

Wis., Wauwatosa — See "Contracts Awarded."

Colo., Denver—Jan. 5, by Dept. Impvts. & Parks 33 in. brick storm sewer in West Iowa Ave. Subway. A. K. Vickery, city engr.

BIDS RECEIVED

N. Y., Brooklyn—J. A. Guider, pres. Brooklyn Boro, Boro Hall, Dec. 23 (**e.e. means engineers' estimate**), sewer in Nostrand Ave., from Peconi Constr. Co., 170 18th St., 78% e.e. $13,143; in East 12th St., from Nazzaro & Guerriero, West 9th St., 70.94% e.e. $8,594; in Autumn and Sutter Aves., from R. Iovine, 62% e.e. $600; in East 14th St. and repairing sewer in Raymond St., from Manmill Constr. Co., 2035 Dougals St., 64% e.e. $4,844 and $4,240 respectively. Noted Dec. 17.

Pa., Phila.—Dept. Pub. Wks., Bureau Engineering, Dec. 22, main sewer in Rowland Ave. and discharge pipes in South East Sewage Pumping Station and Eagle Creek, from V. S. Campellone, 812 West Venango St., $6,767 and $3,000 respectively; intercepting sewer along Tacony Creek, from Municipal Paving Co., 702 Catherine St., $84,785; branch sewer in Coleman St. between 58th and 59th Sts., and Woolsten St. between Middleton St. and Walnut Lane, from J. J. McHugh, 1617 Race St., $2,031 and $4,886 respectively, 52nd St. between Lebanon and Diamond Sts., from A. Mattia, 310 North 65th St. $2,935, Lebanon St. between 57th St. and Upland Way, from F. I. Buckins, 4050 Kensington Ave. $5,000, Sanger St. between Saul and Large Sts., from McIntyre Concrete Co., 2811 North Franklin St. $1,702. Noted Dec. 17.

Calif., Belmont—Belmont Sanitary Dist., Dec. 15, 64,180 lin. ft. 6- to 21-in. vitr. sewers in various streets, from C. E. Prentiss, 608 Adams St., Albany, $66,037. Noted Dec. 3.

Calif., Indio—Indio Sanitary Dist., from S. M. Milovich, 411 Whittier Blvd., Montebello, 11,000 ft. 8 in. vitr. sewer $0.98 per ft., manholes $0.84 each, flush tanks $150 each.

Calif., Los Angeles—Constructing Boyle Heights Storm Drain 3, from Francisco & Ellington, 1232 West 6th St., $596,000, engrs. est. $655,583; sewer in 75th St. and Gramercy Pl. Sewer Dist., from L. Massa, 138 Walnut St., $37,147, engrs. est. $42,701. Noted Dec. 3.

Calif., Los Angeles—For 14,784 ft. 6 in. sanitary sewer in Marne Ave. and 12th St., from L. Massa, 138 Walnut St., $45,784. Engrs. est. $53,926.

CONTRACTS AWARDED

N. Y., Long Island City — See "Streets and Roads."

Wis., Milwaukee — Dept. Pub. Wks., storm and sanitary sewers in Oklahoma Ave., to G. E. and L. Zimmermann, 3402 Grand Ave., $35,285; 12th and 13th Aves., to Szukalski & Matke Co., 1089 American Ave., $9,256 and $7,223 respectively; 14th Ave., to F. E. Kaminski, 745 46th Ave., $6,760; 14th Ave., to Milwaukee Sewer & Drainage Co., 928 Humboldt Ave., $5,071; and 15th Ave., to W. T. Werner, 675 Hi-Mount Blvd., $12,061. Grand total $75,656. Noted Dec. 17.

Wis., Wauwatosa — A. V. Brigham, city clk., will construct storm sewers in West North Ave., by day labor. $25,000. J. E. Lowther, City Hall, engr.

Minn., St. Paul — Constructing St. Paul Ave. Sewerage System 1, to Thornton Bros., 318 Endicott Bldg., $72,837. Noted Nov. 19.

Calif., Roseville—City Trustees, extending sanitary sewers, etc. in various streets, here, to Chambers & DeGolyer, Bacon Bldg., Oakland, $22,075. Noted Dec. 3.

Waste Disposal

PROPOSED WORK

Tenn., Nashville — Defeated $200,000 bonds, garbage disposal plant. H. E. Howse, mayor. Noted Nov. 12.

Mo., Kansas City—Pan-Amer. Feed Co., 615 Ridge Bldg., had plans prepared by A. T. Parker, 557 Sheidley Bldg., and takes bids about Jan. 15, 4 story, 100 x 150 ft., rein.-con. garbage reduction plant. $220,000. F. L. Weakley, 501 Sharp Bldg., engr.

Bridges

PROPOSED WORK

Fla., Ft. Myers — See "Streets and Roads."

Tennessee—State Dept. Highways & Pub. Wks., Nashville, rejected bids Dec. 11, steel I-beam superstructure for bridge over Stones River, near Murfreesboro, State Project 318, Rutherford Co.; and reconstructing bridge over Powell River on State Highway 33, near end of Federal Aid Project 12, State Project 319, Clairborne Co. C. N. Bass, assistant comr. Noted Nov. 19.

Tenn., Nashville — Defeated $400,000 bonds for Demonbreum St. Viaduct; and $200,000 bonds, repairing and reconstructing bridge. W. W. Southgate, city engr. Noted Nov. 12.

Missouri — State Hy. Dept., Jefferson City, making plans rein.-con. and steel bridges in Bates, Greene, Linn, Texas, Vernon and Wayne Counties. B. H. Piepmeier, ch. engr.

Mo., St. Louis—Bd. Pub. Serv., 208 City Hall, soon takes bids rein.-con. viaduct to carry Kingshighway Blvd. over Terminal R.R. tracks in Penrose Park. $210,000. L. R. Bowen, 301 City Hall, engr. Noted Oct. 15.

Texas and Louisiana — Orange Co. (Orange), Tex. and Calcasieu Parish (Lake Charles), La., take bids in January for bridge 0.96 mi. long, 300 ft. swing span, 20 ft. clear roadway, concrete sub-floor, and fourteen 19 ft. spans creosoted timber trestles, 21 ft. clear roadway, etc. across Neches River between Orange Tex. and Calcasieu Parish, La. $150,000. J. E. Johnson, Orange, co. engr.

Tex., Crockett—See "Streets and Roads."

Tex., Cuero—See "Streets and Roads."

Tex., Seguin—See "Streets and Roads."

Okla., Arnett—Ellis Co. making preliminary plans 64 span 1,219 ft. pile and timber trestle bridge. $34,000. J. M. Page, capitol, Oklahoma City, highway engr.

Calif., Los Angeles—City Council plans to issue $500,000 bonds, for bridges.

Calif., Red Bluff — Plans girder bridge over Reeds Creek, south of here. To exceed $30,000. City will pay 2/9 of cost and balance approximately $30,000 to be paid by State and Tehama Co. Noted Nov. 12.

BIDS DESIRED

Fla., Fort Lauderdale—See "Streets and Roads."

Ind., Elkhart—Jan. 28, by Bd. Comrs., Elkhart Co. (Goshen) taking bids rein.-con. arch bridge over St. Joseph River, at Lexington Ave., here. C. A. Croop, co. aud.; adv. E. N.-R. Dec. 31.

Ind., Goshen—Jan. 28, by Bd. Comrs Elkhart Co., rein.-con. arch bridge over Elkhart River, Pike St. C. A. Croop, Co. aud.; adv. E. N.-R. Dec. 31.

Illinois—Jan. 8, by State Dept. Pub. Wks. & Buildings, Div. Highways, Springfield, rein.-con. substructure for one 90 ft. span steel bridge, on Route 30 Sect. 3-B, one 90 ft. steel superstructure Route 30, Sect. 3-C, also one 50 ft. and one 30 ft. span rein.-con. girder bridges Route 30 Sect. 8-B, all Peoria Co. F. T. Sheets, ch. engr.

BIDS RECEIVED

Mass., Boston — Dept. Pub. Wks., Dec. 17, steel and concrete electrically operated ferry bridge, North Ferry, from J. E. Ogden Co., 147 Cedar St., New York City, $132,800. Noted Dec. 10.

North Carolina—State Hy. Dept., Raleigh, rein.-con. bridge on Project 203 Carteret Co., from Roanoke Iron & Bridge Wks., Roanoke, Va., $138,450; rein.-con. and creosoted timber bridge on Project 109-B, Chowan Co., from Sanford & Brooks Co., Spartanburg, S. C., $432,423. Noted Nov. 26.

La., New Orleans—Pub. Belt R.R. Comn., Municipal Bldg., Dec. 17, test borings for Mississippi River Bridge, 2 mi. above city limits, from Southern Deep Well Drilling Co., Inc., Algiers, $44,400. Noted Dec. 10.

Ohio — Dept. Highways & Pub. Wks., Columbus, Dec. 11, steel bridge on Sect. "J" Hawden-Andover Rd., Ashtabula Co., from Reedy Bros., Warren, $26,833; painting and cleaning structural steel bridge on Sect. "Muskingum River Bridge," Washington Co., from J. Wilson, McFarland, W. Va., $5,578; rein.-con. box culverts on Sect. "K" Gallipolis-Pomeroy Rd., Gallia Co., from Miller Bros., Gallipolis and W. E. Fuller, Franklin, each $23,109. Noted Dec. 10.

Tex., Crockett—See "Streets and Roads."

Colorado—State Hy. Dept., Denver, Dec. 15, concrete bridge and paved approaches over Chicago, Rock Island & Pacific R.R. tracks, on Nevada Ave., Federal Aid Project 276, El Paso Co., from J. L. Busselle, Colorado Springs, $35,520. Noted Dec. 10.

CONTRACTS AWARDED

South Carolina—See "Streets and Roads."

Tennessee—State Dept. Highways & Pub. Wks., Nashville, **(F. A. P. means Federal Aid Project, S. A. P. means State Aid Project)**, 3 bridges over 20 ft. span on Arlington-Fayette Co. line Rd., F.A.P. 36-B, Shelby Co., to W. H. Shons & Co., 11 South Liberty St., Freeport, Ill., $83,287; 4 bridges over 20 ft. span on Clinton-Campbell Co. line Rd., F.A.P. 55-A, Anderson Co., to G. M. Ferris, Knoxville $35,465; structural steel and concrete bridge over Conasauga River, State Highway 39, near Conasauga, S.A.P. 192-B, Polk Co., to King & Jordon Constr. Co., Louisville, $28,011; structural steel and concrete overhead bridge over Illinois Central R.R. tracks near Fowlkes, S.A.P. 302-B, Dyer Co., to W. C. Baird & Co., Nicol Bldg., Nashville, $14,068, 2 bridges over 20 ft. span on Bluff City. Carter Co. Line Rd., S.A.P. 309 A, Sullivan Co., to Bell & Bell, Watertown, $12,733. Grand total $173,564. Noted Nov. 19.

Illinois—Dept. Pub. Wks. & Buildings, Div. Highways, Springfield, bridge on Route 9, Sect. 8-B, Tazewell Co., to H. O. Newlin, West York, $28,528, bridges on Route 40, Sect. 8-B, Whiteside Co. and on Route 23, Sect. 26-B, De Kalb Co., to Chernus Constr. Co., Mt. Carroll, $23,737, and $9,366 respectively; grading Route 7, Sect. S-1, Bureau Co., to Trompeter & Sons, Peru, $11,822. Grand total $73,453. Noted Nov. 5.

Ill., Chicago—City, Room 406, City Hall, superstructure for 2 span, 173 ft. double leaf trunnion bascule bridge, 64 ft., 38 ft. roadway, etc., over south branch Chicago River, at West Adams St., to Strobell Steel Constr., 53 West Jackson Blvd., $438,408. Noted Dec. 10.

Ia., Knoxville—Marion Co., bridges and culverts on Knoxville-Attica Rd. Federal Aid Project 253, to Iowa Bridge Co., 1901 Easton Blvd., Des Moines, $27,358. Noted Dec. 3 under "Streets and Roads."

Texas—See "Streets and Roads."

Tex., La Grange — See "Streets and Roads."

Dams

BIDS DESIRED

Quebec—See "Contracts Awarded."

CONTRACTS AWARDED

Quebec—Price Bros. & Co., Quebec will build 3 crib dams in River Valin, one at Le Bras-Lonis, $42,000; one at Le Bras des Cantos, $32,000; and one near Chicoutimi, $30,000, by day labor under supervision of A. Duchatel de Montronje, Chicoutimi, engr.

Quebec — St. Maurice Valley Co., Shawinigan Falls, will build 3 dams in the Grande Bostonnais River, one at Lake Lescartot, $35,000; one near Bourgeiro Twp., $35,000; and crib dam at Lake Kiskisuig, $30,000; by day labor. H. Sorguis, Shawinigan Falls, engr.

Railways

PROPOSED WORK

Florida—Atlantic Coast Line R.R. Co., J. E. Willoughby, ch. engr., Wilmington, N. C., plans 41 mi. railroad from point at or near Perry northwesterly to point at or near Monticello, in Taylor, Madison and Jefferson Counties. $1,424,400.

Alabama — St. Louis — San Francisco R.R. Co., Frisco Bldg., St. Louis, Mo., F. G. Jonah, ch. engr., purchased Muscle Shoals, Birmingham & Pensacola R.R., Pensaloca, Fla., A. S. Butterworth, ch. engr., and plans reconstructing its 143 mi. road, incl. ballasting road bed from Kimbrough to Pensacola, Fla., reducing grades, laying heavy ties and increasing terminal facilities. $2,500,000. Private plans.

Quebec—St. Maurice Valley Co., Cap-de-la-Madeleine, plans private railroad through city of Cap-de-la-Madeline. $90,000. G. Slater, Cap-de-la-Madeline, engr.

Excavation, Drainage, Irrigation, Levees River and Harbor

PROPOSED WORK

Tex., San Saba—San Saba Conservation & Water Control Dist. 1, making preliminary plans irrigation dam, etc. Total about $3,000,000. J. E. Hayes, 2083 Clermont St., Denver, Colo., engr. Noted Oct. 7.

Oklahoma — Boggy D.D. 1, Boswell making preliminary plans straightening and draining Boggy Creek across five counties in southern Oklahoma. $75,000. W. C. Burke, Oklahoma City, engr.

Calif., Ramona—Ramona Irrigation Dist. plans election $80,000 to $90,000 bonds, pumping plants. T. King, Fletcher Bldg., San Diego, engr.

BIDS DESIRED

Minn., Minneapolis — Jan. 13, by A. P. Erickson, aud. Hennepin Co., constructing County Ditch 40, one pump house, two 1,000 g.p.m. vertical and one 8,000 g.p.m. horizontal centrifugal pumps or alternate one 15,000 g.p.m. horizontal centrifugal pump, 7,840 cu.yd. excav., 97,057 ft. 5-36 in. drain tile, etc. $53,300. G. R. B. Elliott, 706 1st Ave. N., engrs. Noted Nov. 26.

BIDS RECEIVED

N. J., Trenton—Bd. Commerce & Navigatioin, State House, Dec. 15, dredging section proposed Indland Waterway to connect Barnegat Bay with Manasquan Inlet, Monmouth Co., from Quinlan Dredging Co., 90 West St., New York City, $0.59 per cu. yd. Noted Dec. 3.

Pa., Phila.—Dept. Pub. Wks., Bureau of Engineering, Dec. 22, borings for Pennsylvania Terminal, West River Dr. between Spring Garden and South Sts., incl. 2,900 ft. borings on land with churn drill, 200 ft. wash borings, 300 ft. core borings in rock on land and 200 ft. core borings in water, from J. B. Rulon, 1355 Colwyn St., $10,410. Noted Dec. 17.

CONTRACTS AWARDED

Mo., Rockport—Nichnabotna D. D., T. H. Cooper, secy., 961,512 yd. excav. for drainage ditches, etc., to Callahan-Walker Constr. Co., Omaha, Neb., $65,265.

Calif., Blythe — Palo Verde Irrigation Dist., to D. A. Foley, Wright-Callendar Bldg., Los Angeles, approximately 24 mi. irrigation canals, 81,500 cu.yd. excav. $0.15 per cu.yd., 81,200 cu.yd. $0.15, 60,000 cu.yd. $0.15, 116,000 cu.yd. $0.19, etc.; also clearing and excavation for river cut, 100,000 cu.yd. excav. $0.13, and 40 acres clearing, $40. Noted Dec. 24.

Streets and Roads

PROPOSED WORK

Mass., Boston — Park Dept., 33 Beacon St., rejected bids Nov. 12, gravel and asphalt surfacing Fens Rd. Will readvertise. $25,000. J. B. Shea, chn. Noted Dec. 17.

Mass., Malden (br. Boston)—Plans extending and improving Dartmouth, Exchange and other streets. To exceed $25,000. Engineer not selected.

Mass., West Roxbury (Boston P. O.)—Street Layingout Dept., Boston, plans improving Morrison and Rivermore Sts., here. $25,000. J. F. Sullivan, secy.

Conn., New Haven — City, Park Bd. Comn., made plans 220 ft. driveway between Fort Hale Park and Forbes Park. To exceed $150,000. Olmstead Bros., Brookline, Mass., engrs.

N. J., Asbury Park—City Comn., plans Asbury Ave., Plaza Pl., Bond and Emory Sts. N. Rogers, Asbury Park, engr.

N. J., Woodbridge—Middlesex Co. (New Brunswick) rejected bids Dec. 17, paving Rahway Ave., here. Will readvertise. W. F. Buchanan, 175 Smith St., Perth Amboy, engr.

North Carolina—State Hy. Comn., Raleigh, plans clearing and grading 6.4 mi. Project 681, Scotland Co. $40,000. C. M. Upham, highway engr.

N. C., Saluda—Lake Summit Co. plans waterbound macadam or gravel surfacing 12 mi. road around Lake Summit. H. L. Bomar, Saluda, pres.

N. C., Smithfield—Plans paving various streets. $100,000. W. L. Fuller, city clk.

Ga., Bainbridge — Decatur Co. plans election $500,000 bonds, improving roads.

Ga., Ellijay—Gilmer Co. voted $100,000 bonds, improving various roads.

Ga., Lyons—Toombs Co. plans election $250,000 bonds, improving roads.

Streets and Roads (Continued)

Ga., Savannah — Savannah Foundation Co., Chatham Artillery Bldg., pres., plans paving various streets. $25,000.

Fla., Ft. Myers—Lee Co., election Jan. 19, $700,000 bonds paving various streets and constructing concrete bridge.

Fla., Green Cove Springs—Clay Co. voted $575,000 bonds, constructing roads.

Fla., Miami—Plans sheet asphalt on rock surfacing H-273 to 276 (inclusive) $250,000-$300,000; H-277 to 281 (inclusive) $275,000-$300,000; H-282 to 285 (inclusive) $250,000-$300,000; H-286 to 293 (inclusive) $250,000-$300,000; H-294 to 296 (inclusive) $250,000-$300,000; H-297 to 301 (inclusive) $275,000-$350,000; H-302 to 304 (inclusive) $300,000 plus. M. B. Duncan, city engr.

La., Alexandria — Soon takes new bids brick paving about 6 blocks Vance Ave. and Rensselaer St. $40,000. Former bids rejected.

Tennessee—State Dept. Highways & Pub. Wks., Nashville, making surveys improving 14 mi. Linden-Perryville Rd., Perry Co. C. N. Bass, acting comr.

Tennessee—State Dept. Highways & Pub. Wks., Nashville, making surveys improving 6 mi. Madisonville-McMinn Co. line Rd., Monroe Co. and 10 mi. Etowah-Monroe Co. line Rd., McMinn Co. C. N. Bass, acting comr.

Tennessee — State Dept. Highways & Pub. Wks., Nashville, making surveys improving 10 mi. Friendship-Alamo Rd., Crockett Co. C. N. Bass, acting comr.

Tennessee—State Dept. Highways & Pub. Wks., Nashville, plans improving highway between Maryville and North Carolina state line, Blount Co.; and highway between Sevierville and North Carolina state line, Sevier Co. C. N. Bass, acting comr.

Tenn., Nashville — Defeated $1,500,000 bonds, widening and improving various streets. H. E. Howse, mayor. Noted Nov. 12.

O., Canton—Stark Co. takes bids in spring improving 1.3 mi. Martindale Rd., 16 ft. $40,000. A. M. Wise, Court House, engr.

O., Cleveland—Cuyahoga Co. takes bids in spring paving 3.218 mi. York-Bennett Rd., 18 ft., $249,040, 1.89 mi. Edgerton Rd., 18 ft., $50,000, and 3.42 mi. Solon Rd., 24 ft., $245,000 F. Lander, Court House, engr.

Ill., DeKalb — Soon takes bids concrete or Warrenite bitulithic paving 4,760 sq.yd. 11th St., $19,559; 23,800 sq.yd. Pearl and other streets, $92,669; and concrete paving 7,500 sq.yd. West Lincoln Highway, $29,888. W. M. Hay, DeKalb, engr.

Wisconsin — State Hy. Dept., Madison, making plans improving 254.01 mi. highways in Adams, Barron, Bayfield, Buffalo, Burnett, Calumet, Chippewa, Clark, Dane, Door, Douglas, Dunn, Eau Claire, Florence, Fond du Lac, Grant, Green, Iowa, Iron, Jackson, Jefferson, Kenosha, Kewaunee, Lafayette, Lincoln, Manitowoc, Marinette, Marquette, Milwaukee, Monroe, Oconto, Oneida, Outagamie, Polk, Portage, Racine, Rock, Rusk, St. Croix, Sauk, Sawyer, Shawano, Taylor, Trempealean, Vernon, Vilas, Washburn, Washington, Waukesha, Waupaca, Waushara, Winnebago and Wood Counties during 1926. $5,167,722. J. T. Donaghey, Madison, ch. engr.

Wisconsin — Langdale Co. (Antigo), C. Olsen, highway comr., plans improving various highways, $36,700; also constructing 3 bridges in Ackerley, and 1 in Rolling, $2,811; Green Co. (Monroe), C. J. Smith, highway comr., improving 23 mi. various roads, $550,000; and Winnebago Co. (Oshkosh), F. Steiner, comr., improving various highways, $305,430.

Wis., Janesville—Rock Co., plans improving various roads. $96,450. C. E. Moore, highway comr.

Wis., La Crosse—La Crosse Co., J. Hinton, comr., plans improving various roads. $49,626.

Wis., Milwaukee — Milwaukee Co., W. Cavanaugh, highway comr., plans concrete paving Blue Mound Rd., $186,000; Lake St. from 39th St. W., $80,000; County Loop, Trunk Highway 100, $75,000; Trunk Highway 74, near Granville Station, $30,000; constructing portion of various trunk highways, $220,000.

Wis., Sheboygan—Sheboygan Co., G. W. Ubbelohde, comr., making plans concrete paving Trunk Highway A Lake Shore Rd. from city limits north, 16 ft., $150,000; also 0.2 mi. Highway 42 in Cedar Grove, 18 ft., $6,000. J. T. Donaghey, Madison, ch. engr.

Wis., Racine — Racine Co., E. Fischer, comr., making plans concrete paving 3 mi. Highway 120, 20 ft. and 0.4 mi. Wilmot Ave., in Burlington City, 30 ft. J. T. Donaghey, Madison, ch. engr.

Ia., Cedar Rapids—Making preliminary plans and probably takes bids in spring asphaltic concrete on old macadam resurfacing 40 blocks 3rd Ave., Linden Dr., Ridgewood Terrace, Blake Blvd., 17th, 18th, 19th, 20th, Nassau, Crescent, Crossways and Forest Sts., all in Ridgewood Addition. F. S. Alden, 1540 Washington Ave., engr.

Kan., Concordia—Making plans paving 20 blocks various streets. C. A. Haskins, 822 Finance Bldg., Kansas City, Mo., engrs.

N. D., Minot — A. D. Hagenstein, city aud., plans grading and paving approximately 4 mi. extension of Central Ave. W. $119,750.

Mo., Clinton — Takes bids in January, brick and concrete paving 14 blocks various streets. E. T. Archer & Co., 609 New England Bank Bldg., Kansas City, engr.

Ark., Ft. Smith—Election Feb. 10, $500,000 bonds, paving various streets. J. R. Miller, city comr.

Ark., Little Rock — Pulaski Co. plans widening and hardsurfacing 0.17 mi. 12th St. Pike, 12 to 16 ft., and 7.5 mi. Siegle Farm-Ferndale Rd. $90,000.

Ark., Magnolia—Making preliminary plans paving various streets. To exceed $25,000. E. T. Archer & Co., 609 New England Bank Bldg., Kansas City, Mo., engrs.

Tex., Carthage—Panola Co. making plans grading, bridging and gravel surfacing 8 mi. Highway 64, from Carthage to Louisiana State line, 16 ft. $96,500. D. E. Martin, Carthage, co. engr.

Tex., Crockett — Houston Co. making plans grading and bridging 9.122 mi. State Highway 19, 26 ft. $39,700. F. J. Von Zuben, Crockett, co. engr.

Tex., Cuero—DeWitt Co. making plans grading, bridging and rein.-con. paving 30 mi. Yorktown-Kenedy Rd. and Goliad-Stockdale Rd. in Rd. Dists. 7 and 8, 16 ft. $750,000. A. H. Gulledge, Cuero, co. engr.

Tex., Floydada — Voted $35,000 bonds, paving various streets.

Tex., Galveston — Galveston Co. plans improving Bolivar Rd. $150,000. Address County Engineer.

Tex., Gilmer—Upshaw Co. making plans and soon takes bids permanent paving 20,000 sq.yd. Main St. Municipal Eng. Co., 602 Praetorian Bldg., Dallas, engrs.

Tex., Goliad—Goliad Co. voted $250,000 bonds, hard paving roads in Goliad Precinct; $85,000 bonds, roads in Fannin-Schroeder Precinct; $75,000 bonds, roads in Charco Dist.; and $75,000 bonds, in Weetasche Dist. Address J. A. White, Goliad, co. judge. Noted Dec. 10.

Tex., Karnes City — Karnes Co. voted $300,000 bonds, hard paving highway in Kenedy Rd. Dist.; $300,000 bonds in Gillett Rd. Dist.; and $65,000 bonds in Karnes City Dist. O. N. Parlett, Karnes City, co. engr. Noted Dec. 17.

Tex., Memphis — Making preliminary plans gravel surfacing 40 blocks various streets in residential section. $50,000. Address Mayor.

Tex., Ranger—Made plans concrete on brick paving 4,000 ft. Pleasant Grove Rd., 60 ft. $33,000. Address City Engineer.

Tex., San Antonio—Making plans hard paving 8 blocks Guadalupe St. between South Laredo and South Brazos Sts. $45,000. I. Ewig, city engr.

Tex., San Antonio—Making preliminary plans bitulithic or asphalt paving, etc., 19 blocks Buena Vista St., 45 ft. or more. $140,000. Cost to be borne by city and property owners. I. Ewig, city engr.

Tex., Seguin — Guadalype Co. making plans grading, bridging and gravel surfacing 19.8 mi. Highway 3-A, from Seguin to Caldwell Co. line, 16 ft. $280,000. H. J. Cavefield, Seguin, engr.

Okla., Ada—Pontotoc Co. voted $425,000 bonds improving various roads. J. M. Page, Capitol, Oklahoma City, highway engr. Noted Nov. 19.

Okla., Guthrie — Making preliminary plans grading and concrete paving 10,400 sq.yd. West Logan, College and North Walnut Sts., 30 ft. $32,000. V. V. Long & Co., 1300 Colcord Bldg., Oklahoma City, engrs.

Okla., Ponca City—Making preliminary plans grading, curbing and vertical fibre brick on concrete paving 8 blocks Lake and 8th Sts. E. A. Jones, City Hall, engr.

Okla., Oklahoma City — Plans grading, curbing and sheet asphalt paving 11,000 sq.yd. Western Ave. $44,210. B. M. Hart, City Hall, engr.

Wash., Seattle—City Council authorized improving and extending 2nd Ave. $750,000.

Calif., Hanford—Kings Co. plans paving 2 mi. road from Armona east to Elmer Young Corner. R. May, Hanford, co. surv.

Calif., Hayward—Making plans grading, widening and paving portion of A St. To exceed $25,000. J. B. Holly, city engr.

Calif., Los Angeles — Los Angeles Co. made plans curbing, grading, guttering and concrete paving, etc., 159,845 sq.ft. Impvt. 338, Grevilla St. between Inglewood and Hawthorne city limits, to exceed $60,000; also grading, curbing, guttering, concrete on disentegrated granite paving, etc., 241,046 sq.ft. Impvt. 375, Main St. between 108th St. and Ionia Ave., to exceed $80,000.

Calif., Los Angeles—City Council plans to issue $1,000,000 bonds, street construction.

Calif., Los Angeles—Made plans curbing, walks, and 5 in. concrete paving, etc., 46,008 sq.ft. 36th St. and Kerckhoff Ave. J. C. Shaw, city engr.

Calif., Los Angeles—Bd. Pub. Wks. takes bids about Jan. 16, paving, guttering, sewers, etc. in Melrose Ave. and Edison St. To exceed $25,000. J. C. Shaw, City Hall, engr.

Calif., Sacramento — Sacramento Co. making plans constructing 12 mi. Joint Highway Dist. 4. To exceed $125,000. C. W. Deterding, Jr., Sacramento, co. engr.

Calif., Salinas — Monterey Co. making plans improving Salinas and Castroville Highways. To exceed $75,000. H. Cozzens, Salinas, co. surv.

Calif., San Francisco—Made plans brick and granite on concrete paving Civic Center Plaza. $90,000. M. M. O'Shaughnessy, city engr.

Calif., San Francisco—Plans reconstructing and repairing Clementina and Jessie Sts., $29,000; Union St. from Franklin St. westerly, $48,500; Harrison St. from 4th St. southwest, $40,000; portions of 18th, Commercial and Greenwich Sts., $30,000; portions of Sacramento and Tehama Sts., $25,500; portions of Natoma and Oak Sts., $26,500. M. M. O'Shaughnessy, city engr.

Calif., San Francisco—Made plans paving 18,029 sq.ft., concrete paving 18,029 sq.ft. and asphaltic concrete paving 5,064 sq.ft., Douglas St. between 20th and 21st Sts. $40,000 or more. M. M. O'Shaughnessy, city engr.

Calif., San Rafael — Plans paving, curbing, etc. streets north of 4th St. $190,000.

Calif., Santa Rosa — Sonoma Co. plans paving, etc. approximately 5 mi. Sebastopol-Guerneville Highway, 18 ft. To exceed $100,000. E. A. Peugh, Santa Rosa, co. surv.

Calif., Torrance—Plans concrete paving Cedar Ave., and asphaltic concrete paving Carson St. $25,000 or more.

Calif., Willows — Making plans paving various streets. $50,000 or more. B. Knock, city engr.

Ont., Chatham — Council Kent Co. plans paving program for 1926. $75,000-$100,000. W. D. Colby, County Bldg., engr.

Ont., Ford — Council plans paving and sewer program for 1926. $75,000. C. J. Mousseau, chn. com.

Ont., Hanover — Council Grey Co. plans concrete paving Main St. $50,000. M. Ball, mayor.

B. C., Vancouver—Plans permanent hardsurfacing various streets. $250,000. C. Brackenridge, City Hall, engr.

BIDS DESIRED

N. Y., Brooklyn—Jan. 6, by J. A. Guider, pres. Brooklyn Boro, Boro Hall, grading and paving Autumn Ave., Newport, 47th, 61st and 66th Sts.; grading and curbing 16th Ave., Newport, 66th, 72nd and 82nd Sts.; curbing and flagging Conklin Ave.

N. Y., Long Island City—Jan. 4, by M. E. Connolly pres. Queens Boro, Queens Subway Bldg., grading and curbing Clermont Ave.; grading, curbing and sidewalks on Foch (117th Ave.-Central Ave.) Blvd., Central and Westchester (Central) Aves., and 73rd (16th) St.; grading and permanent asphalt on concrete paving Borden Ave. and Chauncey St.

Pennsylvania — Feb. 5, by State Hy. Dept., Harrisburg, **(R. means Route and A. means Application)**, grading, etc., 26,529 yd. R. 219, Sect. 3, Snow Shoe Twp. Rd., Centre Co., 38,555 yd. R. 40, North Middleton, Middlesex Twp. Carlisle Boro, Cumberland Co., 57,974 yd. R. 93, Sect. 2, Limestone-Hickory Twp. Rd., Warren and Forest Counties; one course rein.-con. paving 7,669 yd. R. 246, Sect. 3, West View Boro Ross Twp. Rd., Allegheny Co., 15,731 yd. A. 3604, Spring-Lower Heidelberg Twp. Rd., Berks Co., 14,860 yd. A. 3583-3631 Duncanville Boro-Allegheny Twp. Rd., Blair Co., 6,648 yd. A. 3676, Leighton Boro, Carbin Co., 5,324 yd. R. 363, Sect. 2, A. 3,661, Markleysburg Boro, Henry Clay Twp. Rd., Fayette Co., 13,464 yd. R. 161, Sect. 3, Ralpho-Shamokin Twp. Rd., Northumberland Co., 4,853 yd. A. 3636 Conemaugh Twp. Rd., Somerset Co., and 9,605 yd. R. 228-348, A. 3730, Washington-Franklin Twp. Rd., Westmoreland Co. W. H. Connell, eng. executive and deputy secy. of highways.

Pennsylvania—Feb. 6, by State Hy. Dept., Harrisburg, **(R. means Route and A. means Application)**, one course rein.-con. paving 8,580 yd. R. 257, A. 3558, North Fayette Twp. Rd., Allegheny Co., 5,280 yd. A. 3581, Richland Twp. Rd., Allegheny Co., 17,440 yd. R. 354, A. 3605, Big Beaver Twp. Rd., Beaver Co., 22,520 yd. R. 235, Benton Twp. Rd. and A. 2860-3306, Benton Boro Rd., Columbia Co., 13,760 yd. A. 3652, West Wheatfield Twp. Rd., Indiana Co., 4,062 yd. R. 18-20 Sect. 6, Loyalsock and Old Lycoming

Streets and Roads (Continued)

Twp. Rd., Lycoming Co., 41,712 yd. R 19-16, Sect. 1, Davidson-Laporte Twp. Rd., Sullivan Co., 17,874 yd. R. 91, A. 3678, Sect. 6, Pine Grove Twp. Rd., Venango Co., 25,-080 yd. R. 441-230, A. 3544, Penn-Manheim Twp. Rd., York Co.; also one course rein.-con. and vitr. brick paving 2,393 yd. R. 68, A. 3768, Indiana Boro, Indiana Co.; grading, etc., 41,549 yd. R. 219, Sect. 1, Cooper Twp. Rd., Clearfield Co. W. H. Connell, eng. executive and deputy secy. of highways.

Pa. Pittsburgh—Jan. 6, by Comrs. Allegheny Co., rein.-con. paving 20,400 ft. road from intersection Evergreen and Peoples Plank Rd. to Three Degree Rd. at Keown Sta., Ross Twp., 24 ft., $200,000; and brick on rein.-con. paving 22,050 ft. Lebanon-Church Rd., 16 and 18 ft., $200,000. County Bureau of Engineers, 519 Smithfield St., engrs.

Fla., Fort Lauderdale—Jan. 5, by Comrs. Broward Co., penetration or asphalt paving 27.9 mi. Stone Rd.; also 3 steel bridges. C. H. Hopkins, Fort Lauderdale, co. engr.

Ind., Bloomington—Jan. 5, by H. Chestnut, engr., Bloomington, concrete paving 11,616 sq.yd. Marshall Rd. $27,200, 14,784 sq.yd. Hensley Rd. $31,300, and 12,672 sq. yd. McClary Rd., $28,000 for Monroe Co. Noted Dec. 24.

Illinois — Jan. 7, by State Dept. Pub. Wks. & Buildings, Div. Highways, Springfield, concrete paving 0.35 mi. Route 3, Sect. 50 and 0.97 mi. Route 3, Sect. 50-W, both 18 ft., Greene Co. F. T. Sheets, ch. engr.

Illinois—Jan. 8, by State Dept. Pub. Wks. & Buildings, Div. Highways, Springfield, concrete, vitr. brick, type B. A., or bituminous concrete with or without binder course paving 5.08 mi. Route 1, Sect. 38, Johnson Co., 4.74 mi. Route 1, Sect. 39, and 5.86 mi. Route 1, Sect. 40, both Massac Co., 5.68 mi. Route 8, Sect. 48, Peoria, Fulton and Knox Counties, 5.88 mi. Route 34, Sect. 1, and 5.8 mi. Route 34, Sect. 2, both Saline Co., 5.36 mi. Route 34, Sect. 3, Pope and Hardin Counties, 5.61 mi. Route 34, Sect. 4, and 5.57 mi. Route 34, Sect. 5, both Hardin Co., 5.87 mi. Route 34, Sect. 6, Pope and Hardin Counties, 4.46 mi. Route 34, Sect. 7, Pope Co.; grading 0.04 mi. Route 3, Sect. 33X, Warren Co., and 2.12 mi. Route 30, Sect. 3-A, Peoria Co. F. T. Sheets, ch. engr.

Mo., St. Louis — Jan. 26, by Bd. Pub. Wks., 308 City Hall, granite curbing and asphaltic concrete paving 2,185 yd. Alfred St. $13,200, 2,915 yd. Arthur St. $19,200, 830 yd. Hi Pointe St. $6,000, 1,060 yd. Kansas St. $6,600, 3,115 yd. Marmaduke St. $13,520, 1,635 yd. Michigan St. $9,320, 3,010 yd. Cardinal St. $23,800, 3,490 yd. Pennsylvania St. $21,520, 3,060 yd. Nagel St. $21,320 and 1,780 yd. Delmar St. $21,-800. W. W. Horner, City Hall, engr.

Tex., Dublin—Jan. 5, by Elrod Eng. Co., engrs., 3124 Elm St., Dallas, permanent paving, etc. 34,000 sq.yd. various streets, here, for City. $125,000.

Tex., Georgetown — Jan. 8, by State Hy. Comn., Austin, grading and bridging 11.492 mi. State Highway 29 from Leander to Travis Co. line, 26 ft., Williamson Co., incl. 115,932 lb. reinforcing, etc. $68,000. M. C. Welbora, Georgetown, co. engr.

Tex., Tarboro—Jan. 11, by E. V. Zoeller, mayor, grading, concrete paving 5,520 sq.yd. and rock asphalt paving 4,970 sq.yd. various streets. J. H. Jacocks, Tarboro, town mgr.

Colo., Denver—Jan. 5, by Dept. Impvts. & Parks, widening 20th St. Viaduct Approach and grading West Iowa Ave. Subway. A. K. Vickery, city engr.

California—Jan. 11, by State Hy. Comn., Sacramento, grading and surfacing 0.7 mi. highway, incl. 1.7 mi. wooden trestle, Humboldt Co. R. M. Morton, Forum Bldg., Sacramento, highway engr.

Que., St. Etienne — Jan. 8, by T. L. Builanger, deputy minister Dept. Roads, Quebec, graveling or oil macadam paving 16,320 ft. St. Louis River Rd., here. Dept. Pub. Wks., Quebec City, engrs.

BIDS RECEIVED

Massachusetts—Dept. Pub. Wks., Boston, Dec. 15, from Lane Constr. Corp., 37 Colony St., Meriden, Conn., bituminous concrete paving 21,521 ft. highway in Dennis $318,800, 14,056 ft. highway in Yarmouth $46,765, rein.-con. and bituminous macadam paving 28,795 ft. highway in Lenox Lee and Stockbridge, $323,697; from R. H. Newall Co. & Co., Uxbridge, bituminous macadam paving 6,400 ft. highway in Ayer and Littleton, $41,555. Noted Dec. 10.

N. Y., Long Island City—Park Bd., F. D. Gallatin, pres., Arsenal Bldg., 64th St. and 5th Ave., New York City, Dec. 23, improving and paving transverse road in Jacob Riis Park, here, from Flemming & Sheppard, 116 Broad St., New York City, $48,344. Noted Dec. 17.

Michigan — State Hy. Dept., at office Comrs. Lapeer Co., Lapeer, concrete paving 2.214 mi. Federal Aid Road 147, Sect. A, 20 ft., from T. McNally, Saginaw, $82,204. Noted Dec. 10.

Michigan — State Hy. Dept., at office Comrs. Macomb Co., Mt. Clemens, Dec. 17, concrete paving 3.053 mi. Federal Aid Rd. 212, Sect. A, from J. A. McKay & Son, Detroit, $106,566. Noted Dec. 10.

Tex., Albany—R. Dyess, judge Shackleford Co., surfacing with (a) bituminous on sledged stone (b) bituminous macadam (1) 17.59 mi. State Highway 23, State Aid Project 515, Unit 2 (2) 12.71 mi. State Highway 23, Federal Aid Project 6, (3) 8.18 mi. State Highway 1-A Federal Aid Project 477-A, Unit 2, from J. F. Dexter, North Texas Bldg., Dallas, (a1) $91,083 (b1) $95,671 (a2) $195,611 (b2) $219,017 (b3) $125,745; from Jordan Constr. Co., Plainview, (a3) $107,670. Noted Dec. 10.

Tex., Calvert — L. Acker, engr., Nacogdoches, permanent paving business streets, here, from Panhandle Constr. Co., Corsicana and Lubbock, brick approximately $40,000; from Brown & Root, Georgetown, asphalt and concrete approximately $38,000, for City. Noted Nov. 26.

Tex., Crockett — L. L. Moore, judge Houston Co., clearing, bridging and grading 6.75 mi. State Highway 19, Federal Project 485-C, 26 ft., 32,326 lb. reinforcing, from J. S. Moore & Sons, Lufkin, $26,870. Engrs. est. $30,000. Noted Nov. 19.

Colorado—State Hy. Dept., Denver, Dec. 15, concrete paving, etc. 9,900 sq.yd. Federal Aid Project 275-B, Douglas Co., from J. F. Roberts & Son Constr. Co., Tramway Bldg., Denver, $55,701. Noted Dec. 10.

Calif., Eureka—Grading, curbing and 1½ in. Warrenite on 3 in. asphaltic concrete surfacing, etc., 218,211 sq.ft. Wabash Ave., from Mercer-Fraser Co., Eureka, $66,333. Noted Dec. 24.

Calif., Los Angeles — Los Angeles Co., from J. and P. Cristich, 1817 East 3rd St., improving Ventura Ave., 7,489 lin.ft. curbing at $0.40 per lin.ft., 28,828 sq.ft. sidewalks $0.14, and 145,197 sq.ft. concrete paving, $0.25, etc. total $55,694, engrs. est. $57,106; from W. Haight, 260 South Pacific Blvd., San Pedro St., 12,712 lin.ft. curbing at $0.42 per lin.ft., 10,862 sq.ft. guttering $0.20, 2,136 sq.ft. sidewalk $0.16, and 376,-486 sq.ft. concrete paving $0.20, etc. total $115,278, engrs. est. $128,921.

Calif., Los Angeles—Bd. Pub. Wks., grading, curbing, guttering, sidewalks and 6 in. concrete paving 88,875 sq.yd. Doheny Dr., from L. E. Davis, 861 West 57th St., $28,-362, engrs. est. $29,293; 238,462 sq.ft. Hub St. and Ave. 51 Impvt. Dist., from W. Warne, 1001 Transportation Bldg., $94,476; 138,730 sq.ft. 94th St. and Baring Cross St. Impvt. Dist., from J. Mullarkey, 8435 South Vermont St., $62,655, engrs. est. $71,-292. Noted Dec. 10.

Calif., San Diego — A. H. Wright, city clk., Dec. 14, from Griffith Co., 25 14th St., improving K St. from 16th to 32nd Sts., 584 sq.ft. gutter surfacing $0.07 per sq.ft., 325 lin.ft. cement concrete curbing $0.64, 601 sq.ft. cement concrete sidewalk $0.22 and 372,591 sq.ft. 1½ in. asphaltic concrete on 3½ in. bituminous base paving $0.164, total $61,909. Noted Nov. 19.

Calif., Wasco—Kern Co. (Bakersfield), from Stewart & Bland, 1106 Farris St., Fresno, improving F St., here, 96,129 sq.ft. 6 in. concrete paving at $0.245 per sq.ft., 65 ft. 6 in. concrete guttering $0.30, 66 ft. concrete curbing $0.45, etc.

CONTRACTS AWARDED

N. Y., Brooklyn — J. A. Guider, pres. Brooklyn Boro, Boro Hall, to Galco Contg. Co., 745 Dean St., sidewalk, etc., on Shore Blvd., $25,572; to G. M. Mandato, 129 29th St., grading, curbing and flagging East 17th St. $1,907, East 12th to East 13th Sts. $2,377, and 76th St. $5,582, to Grimm Contg. Co., 170 McKinley St., Junius St. $6,120, and Lott Ave. $1,116, to Castle Bros., Johnson Pl., Albany Ave. $2,755, to J. C. Dempsey, 516 Prospect Pl., 12th Ave. $11,037, to J. W. McHale, 1250 Jefferson Ave., 55th St., $4,050; to B. Turecamo Contg. Co., 8706 Bay 12th St., grading and permanent asphalt paving Avenue S $5,362, 55th St. $6,402, and 76th St. $8,230, to Uvalde Asphalt Co., 1 Bway., New York City, Church Ave. $2,755, and Junius St., $6,072. Grand total $89,337. Noted Dec. 17.

N. Y., Long Island City—M. E. Connolly, pres. Queens Boro, Queens Subway Bldg., Sicilian Asphalt Co., 41 Park Row, New York City, grading and permanent asphalt paving Pearson St. $13,862, 115th St. $14,-708, and 39th Ave. $15,574; to Welsh Bros., Inc., 32 Queens St., Astoria, grading Stafford St. $67,015, and grading, curbing and sidewalks on Laurel Hill Blvd. $11,588, to Pegno Constr. Co., 368 Hamilton Ave. Lurting St. $8,335, and grading and sidewalks on 57th St. $11,100, to G. H. Georgi 15 Elby Ave., 40th Rd., $1,639; sewer, etc. in Mary St., to Peace Bros., Inc., 57 Lawrence St., Flushing, $1,929; and in 135th St. to Gifford Constr. Co., Fulton St. Jamaica, $8,923. Grand total $152,675. Noted Dec. 24.

N. Y., St. George — J. A. Lynch, pres. Richmond Boro, Boro Hall, bituminous concrete paving Richmond Ave. from Signs Rd. to Rockland Ave., to J. E. Donovan, 614 Union St., Brooklyn, $24,749. Noted Dec. 24.

Pa., Phila.—Bureau of Highways, Dept. Pub. Wks., grading Arthur, Hoffnagle, Emerson and Fuller Sts., also Emerson St. between Ferndale and Verree Sts., to F. Mark Contg. Co., 2820 North 21st St., $13,-670; Brighton, Crabtree, Englewood, Faunce, Friendship, Gilmore, Hartel, Lansing, Meridian, Napfle, Oakmont, Princeton, Rowland, Sackett, St. Vincent, Shelmire and Wellington Sts., to Curtis Bros., State Rd., and Unruh St., $35,111; electric cable, to Hazard Mfg. Co., 805 Packard Bldg., $1,198. Grand total $49,-982. Noted Dec. 24.

W. Va., Morgantown — Monongalia Co., constructing Clinton District Rd., to W. N. Bainbridge Co., Fairmont, $94,711.

South Carolina—State Hy. Dept., Columbia, sand clay surfacing 9.1 mi. State Route 36, State Project S-587-D, Hampton Co., to Morrison & Glover, Augusta, Ga., $41,288; also 2 treated timber bridges on State Route 36, State Project S-587-A, Bamberg Co., to Hill & Goss, Aiken, S. C., $11,682. Noted Dec. 3.

Ga., Cartersville—Bd. Aldermen, paving, etc., 24,137 sq.yd. various streets, to S. Findley Constr. Co., North Ave., Atlanta, approximately $86,000. Noted Dec. 10.

Fla., Plant City — Paving and grading various streets, to J. Stanton, Plant City, $86,334.

Ala., Birmingham — City, **(e. e. means engrs. est.)** Grading, macadamizing, sidewalks, curbing, and guttering 2 blocks Bush Blvd. and 15th St. W., 50 ft., to P. Richer, 1805 Pearson Ave., $3,305 e. e. $3,500, 2 blocks 40th St. and 8th Ave. W., 40 ft., to C. F. Browne, 224 Cornelia Ave., $1,351 e. e. $1,500, 5 blocks Jersey St. and 12th Ave. (Ensley), 40 ft., to J. L. Mullarky, 2400 Ave. J, $9,617 e. e. $10,500, 2 blocks 51st St. (Ensley), 40 ft., to J. M. Jones & J. Christie, 310 South 77th St., $5,688 e. e. $6,200, 2 blocks 2nd Ave. and 1st Court, 40 ft., to Henning & Bragan, 309 North Pearl St., $2,307 e. e. $3,100; asphalt paving 3 blocks Avenue S (Ensley), to Federal Asphalt Paving Co., Amer. Trust Bldg., $12,810 e. e. $14,000, and 5 blocks North 20th St., 50 ft., to Southern Roads Co., 104 North 17th St., $34,997 e. e. $36,-000. Grand total $70,075.

Miss., Biloxi—Commission Council, grading, curbing, sewering, sidewalks, water mains, and 3 in. asphalt on 5 in. concrete surfacing 49,227 sq.yd. 1st, 2nd, St. Charles, St. John, Hopkins, Santina, Miller, Thelma, Forrest, Father Ryan, Wilkes and Jefferson Davis Sts., to Southern Paving & Constr. Co., Volunteer Life Bldg., Chattanooga, Tenn., $222,541.

Miss., Gulfport — City Comrs., curbing, guttering and paving 145,000 sq.yd. various streets and 2,300 sq.yd. driveway crossings. 2½ in. asphalt on 5 in. concrete, to Baird-Eller Constr. Co., Nashville, Tenn., $229,-500; brick, to Merrill Eng. Co., Lamar Life Bldg., Jackson, $101,750. Noted Nov. 12.

Miss., Lucedale — Bd. Supervs. George Co., improving 11.59 mi. Pascagoula River-Stone Co. line Rd., 30 acres clearing and grubbing, 56,505 cu.yd. excav., 26,337 cu.yd. borrow, 1,124 ft. 15- to 24-in. pipe, 1,851 cu.yd. gravel 1 mi. haul, 1,000 units sand clay surfacing, etc., to W. E. Hathorne & Co., Oakvale, $44,742; grading, and sand clay surfacing 7.72 mi. Lucedale-Stone Co. line Rd., to J. S. Hallowan, Hattiesburg, $7,500.

Tennessee—State Dept. Highways & Pub. Wks., Nashville, **(S. A. P. means State Aid Project and F. A. P. means Federal Aid Project)**, concrete surfacing 9.86 mi. Brighton-Shelbyville Co. line Rd., 18 ft., F. A. P. 31-A, and 7.37 mi. same road Sect. B, both Tipton Co., to J. E. Pryor & Co., Martin, $238,837 and $178,462 respectively; bituminous macadam on crushed stone surfacing 12.56 mi. Columbia-Giles Co. line Rd., F. A. P. 40-B, Maury Co., to Billiter & Oliver, Cincinnati, O., $323,714; grading 2.14 mi. Arlington-Fayette Co. line Rd., F. A. P. 56-B, Shelby Co., to G. M. Tickle Constr. Co., Dyersburg, $21,559, 7.89 mi. State Highway 1, F. A. P. 51-D, Madison Co., to Cresup Bros., Humboldt, $38,203, 9.45 mi. Clinton-Campbell Co. line Rd., F. A. P. 55-A, Anderson Co., and 11.04 mi. Cleveland-McMinn Co. line Rd., F. A. P.

Streets and Roads (Continued)

8-A, Bradley Co., incl. bridge over 20 ft. span, to A. M. Cook & Co., Wartburg, $80,-316 and $68,219 respectively, 1.49 mi. Parksville-Ocoee River Rd., through Chero-kee Natl. Forest, S. A. P. 301-A, Polk Co., to Harrison, Walters & Prater, White Plains, $20,156, 3.76 mi. highway between F. A. P. 16 and Round Pond, S. A. P. 308-A, Montgomery Co., incl. 3 bridges over 20 ft. span, to McQuarry Bros., Lawrenceburg, $95,147, 5.08 mi. Bluff City-Carter Co. line Rd., S. A. P. 309-A, Sullivan Co., and 6.33 mi. Ernestville-North Carolina State Line Rd., S. A. P. 310-A, Unicoi Co., to M. T. McArthur Constr. Co., Johnson City, $74,-328 and $81,228 respectively, 4.2 mi. Eatons Cross Roads-Knox Co. line Rd., S. A. P. 313-A, Loudon Co., to J. W. Wilkinson & Bros., Lenoir City, $28,878, 8 mi. Linden-Pope Rd., S. A. P. 315-A, Perry Co., to W. A. Patton & Co., Chattanooga, $66,229. Grand total $1,315,276. Noted Nov. 19.

Kentucky — State Hy. Dept., Frankfort, grading 7.095 mi. Fordsville-Daviess Co. line Rd., 24 and 28 ft., State Project 12-A, Ohio Co., to W. W. Carter, Clay, $62,895. Noted Oct. 29.

O., Cincinnati—Director Pub. Serv., improving Daytonia Ave., 5,250 lin.ft. concrete curbing, 3,500 cu.yd. earth excav., 9,550 sq.yd. concrete paving, to Foley Constr. Co., 3209 Boudinot Ave. $38,591. Engrs. est. $46,771. Noted Dec. 17.

Illinois—See "Bridges."

Ia., Eldora—Gravel surfacing, etc., 15,986 sq.yd. various streets, to Wilder & Wilder, Iowa Falls, $11,506; grading 56,463 cu.yd., to L. C. Wood & Co., Alden, $14,116.

Ia., Knoxville — Marion Co., improving 7.752 mi. Knoxville-Attica Rd., Federal Aid Project 253, 3,500 solid rock, 4,500 loose rock and 92,267 cu.yd. earth excav., 4,510 yd. channel change, etc. to Elerton & Elliott, Bussey, $33,491. Noted Dec. 3.

Kan., Kansas City—Wyandotte Co., grading and concrete surfacing, etc. 6.968 mi. Federal Aid Project 321-A and B, 18 ft., to Davidson Constr. Co., Kansas City, Mo., $270,866. Noted Dec. 3.

Kan., Leavenworth—To J. P. Collins, 403 North 5th St., asphaltic concrete on 5 in. concrete surfacing Olive St. from Lawrence to 14th Sts. $47,375, curbing, guttering and concrete surfacing Kiowa St. from Bway. to 9th Sts. $8,744, also grading and culverts on Cleveland Terrace from Pennsylvania to Garfield Sts. $3,483; to T. F. Jones, Leavenworth, 3 alleys, $4,831. Grand total $64,433.

Mo., Clinton — Amiesite paving various streets, to Reed & Wheelock, Clay Center, Kan., $36,279.

Mo., Caruthersville — Comrs. Little Prairie Special Road Dist., Pemiscot Co., N. W. Helm, chn., grading and concrete paving, etc., 53,838 sq.yd. Caruthersville-Braggadocio Rd. to connect with Highway 9, to H. H .Hall Constr. Co., Murphy Bldg., East St. Louis, Ill., $120,700. Noted Dec. 10.

Mo., St. Louis — Cyrus Crane Wilmore Organization, Inc., Boatmens Bank Bldg., grading, etc. approximately 500,000 cu.yd. in sub-division on South Kingshighway Blvd., to Cameron-Joyce & Co., Keokuk, Ia., at $0.245 per cu.yd.

Texas—State Hy. Comn., Austin, grading and bridging 13.45 mi. State Highway 23 from Seymour to Throckmorton, 26 ft., Baylor Co., to McClung Constr. Co., 1309 F. & M. Bank Bldg., Ft. Worth, $157,989. Engrs. est. $175,000. Noted Dec. 24.

Tex., La Grange — Fayette Co., R. E. Schiller, engr., La Grange grading, bridging and grading 8.46 mi. State Highway 71, Federal Aid Project 417, B, $59,238 lb. reinforcing, etc., to D. Wood, Sulphur Springs, $119,374. Engrs. est. $150,143. Noted Dec. 24.

Tex., McKinney—A. M. Wolford, judge Collin Co., gravel surfacing 13.9 mi. Frisco-Denton Rd., State Aid Project 629, to L. B. Everett, McKinney, $26,368. Noted Nov. 26.

Tex., Wichita Falls—Bitulithic paving 7 blocks Kemp Blvd. between Avenues B and O, 40 ft., to West Texas Constr. Co., Staley Bldg., approximately $35,000.

Okla., Guthrie—Grading, curbing, paving, etc., streets in Dist. 52, to Ward-Beekman & Brooks, Guthrie, $25,403.

Okla., Oklahoma City—To H. M. House & Co., 637 West Main St., 7 in. concrete paving 5,400 sq.yd. Bway. $23,150; to Western Paving Co., Tradesmen Natl. Bank Bldg., 2 in. asphalt on 5 in. concrete paving 2,200 sq.yd. Lake Ave., $11,697; to M. A. Swatek & Co., 519½ West Main St., 6 in. concrete paving 1,400 sq.yd. 18th St. $5,178, 7 in. concrete paving 950 sq.yd. McKinley Ave. $3,598, 6 in. concrete paving 1,820 sq. yd. 44th St. $7,142, and 3 in. brick on 6 in concrete paving 1,120 sq.yd. Alley Block 65 $7,331. Grand total $58,096.

Okla., Tulsa—City, (**e. e. means engineers estimate**), to Western Constr. Co., Daniel Bldg., grading and concrete paving 4,428 sq.yd. Dist. 680, $20,680 e. e. $25,013 and grading and sheet asphalt paving 18,819 sq.yd. Dist. 684, $100,157 e. e. $106,388; to E. W. Mead, Genl. Del., grading and concrete paving 12,354 sq.yd. Dist. 682, $58,-537 e. e. $71,664; to H. L. Cannady & Co., 1116 South Lewis St., grading and sheet asphalt paving 4,099 sq.yd. Dist. 683, $24,-641 e. e. $25,772, 5,413 sq.yd. Dist. 686 $24,805 e. e. $25,560, and 5,159 mi. Dist. 687, $23,017 e. e. $25,210. Grand total $251,839.

California—State Hy. Dept., Sacramento, macadam paving 15 mi. road between Castaic and point 3 mi. north Natl. Forest Inn, Los Angeles Co., to F. W. Nighbert, Bakersfield, $55,860. Noted Dec. 17.

Calif., Glendale — To G. A. Simpson, 221 East San Fernando Rd., Burbank, improving Glenoaks Blvd., 13,106 lin.ft. "B" curbing at $0.14 per lin.ft., 12,048 lin.ft. "C" curbing $0.38, 1,986 sq.ft. guttering $0.16, 53,347 sq.ft. sidewalk $0.145, 653,735 sq.ft. earth excav. $0.015, 509,346 sq.ft. concrete base $0.174, and 11,881 ft. 8 in. vitr. pipe $0.90, etc. total $165,598. Noted Dec. 24.

Calif., Los Angeles — Curbing, sidewalks and concrete paving Gaffey St., between MacArthur and Elberton Aves., and curbing, sidewalks and 8 in. concrete paving Huntington Dr. S., between Lifur and El Sereno Aves., to Griffith Co., Railway Bldg., $52,425 and $53,440; grading and curbing Municipal Impvt. Dist. 27, to Boulevard Land Co., 111 West 4th St., approximately $25,000. Noted Dec. 24.

B. C., North Vancouver — Grading and rock surfacing 7½ mi. Grouse Mountain Highway, to Stewart & Barber, North Vancouver, $135,000. Engrs. est. $150,000.

Mexico — Mexican Government, grading, etc., about 65 mi. toll road from Matamoras to Pachuca, via Victoria and Tampico, to Mexican Tourist Serv. Corp., Mexico City, c/o C. N. Kaskell, approximately $1,000,000.

Buildings—Industrial

PROPOSED WORK

N. J., Camden — FACTORY — Congress Cigar Co., 3rd and Spruce Sts., Phila., Pa., having plans prepared by L. B. Rothschild, 215 South Broad St., Phila., Pa., 3½ story and basement, 80 x 160 ft. and 20 x 50 ft., rein.-con., brick and steel, plain foundation, 9th and Liberty Sts., here. $300,000.

N. J., Flemington—PLANT—Universal Joint Co., Plainfield, plans 2 story, 65 x 100 ft. plant, here. Engineer and architect not selected.

Pa., Phila.—RUG FACTORY—Dreber & Churchman, archts., Otis Bldg., soon lets contract 3 story and basement, 85 x 100 ft., rein.-con. and brick factory for renovating oriental rugs, plain foundation, 3731 Walnut St. $250,000.

Pa., Shillington—HOSIERY FACTORY—F. A. Muhlenberg, archt., Ganster Bldg., Reading, soon lets contract, 1 story and basement, 100 x 170 ft., rein.-con., brick and steel, plain foundation, here, for Fedden Bros., Inc., 2483 Park Ave., New York City, N. Y. $60,000.

N. C., Asheville — PLANT — Ashville Supply Co., plans plant, incl. machine, brass, forge and welding shops, etc. $200,000.

Fla., Ocala—CEMENT PLANT—Ocala Portland Cement Co., Hunt Bldg., having plan prepared by F. L. Smith & Co., 50 Church St., New York City, N. Y., for 1,-000,000 bbl. portland cement plant. $2,500,000.

Tenn., Nashville—POWER PLANT, etc. —Voted $100,000 bonds, new boiler equipment, and reconditioning power plant for hospital; and defeated $100,000 bonds for lighting plant, extensions and improvements. H. E. Howse, mayor. Noted Nov. 12.

O., Cleveland—FACTORY—Acme Artificial Silk Co., 1294 West 70th St., had plans prepared by J. L. Collins, 7016 Euclid Ave., 1 story and basement, 31 x 110 ft., brick, steel and concrete addition, concrete pile foundation. $40,000.

O., Cleveland—TREATING PLANT, etc. —Cleveland Capscrew Co., J. W. Fribley, pres., 2921 East 79th St., having plans prepared 3 story and basement, 70 x 90 ft., heat treating plant and chemical laboratory, rein.-con. and brick, 2921 East 79th St. $75,000. Private plans.

O., Cleveland—BAKERY—J. Spang Baking Co., J. Spang, pres., 2701 Barber Ave., having plans prepared by E. Huberty, 5503 Utica Ave., 2 story and basement, 72 x 144 ft., brick and steel addition. $50,000.

Ill., Chicago—FACTORY—Dowst Bros. Co., 120 Ann St., having plans prepared by A. S. Alschuler, 28 East Jackson Blvd., 4 story and basement, 100 x 100 ft., rein.-con., brick and stone, North Kenton Ave. and Fulton St. $150,000.

Ill., Chicago — FACTORY — A. S. Alschuler, archt., 28 East Jackson Blvd., takes bids about Feb. 1, altering present 4 story, 46 x 100 ft. and constructing 6 story and basement, 85 x 100 ft., brick and stone, Superior and Sedgwick Sts., for Peanut Specialty Co., 212 West Superior St. $200,000.

Wis., Milwaukee — FACTORY — Master Lock Co., 78 West Water St., P. E. Yolles, pres., plans 1 story, brick and timber, plain foundation, Lake Blvd. Engineer and architect not selected.

Wis., Pittsville — CANNERY — G. D. Booth, soon takes bids 1 and 2 story, 50 x 100 ft., brick and timber, plain foundation, here. $40,000. Private plans. Former contractor withdrew. Noted Dec. 17.

Wis., Trego—POWER PLANT—Wisconsin Hydro-Electric Co., E. J. Schneider, pres., Amery, plans hydro-electric power plant and concrete core wall dam, on Namakagon River, near, here. R. D. Thomas ,1200 2nd Ave. S., Minneapolis, Minn., engr.

Mo., Joplin — ELECTROLYTIC ZINC PLANT — Bunker Hill & Sullivan Co., plans complete plant. $1,000,000.

Mo., St. Louis—PLANT—Brown-Boveri Electric Co., 165 Bway., New York City, N. Y., L. Wilder, pres., purchased Moloney Electric Co., 1149 South 7th St., here, and plans rein.-con. additional plant facilities. $2,000,000. Private plans.

Mo., St. Louis—BOTTLING PLANT—Coca Cola Bottling Co., 1115 Clark Ave., purchased 267 x 300 x 350 ft. site and making preliminary plans 2 story and basement, rein.-con. and brick, North Market St. $150,000.

Ark., Helena — WAREHOUSE — City takes bids early in 1926, 100 x 300 ft. fireproof warehouse, pile and timber incline with mechanical truck hauls, etc. same being one of terminal projects developing in Mississippi and Ohio Rivers for barge line transportation. $280,000. W. F. Schulz, Shrine Bldg., Memphis, Tenn., engr. and archt.

Tex., Brownsville—COTTON GIN—Valley Gin Co., San Benito, H. P. Boyd, genl. mgr., plans cotton gin 5 stand, 60 saw capacity, here.

Tex., Lubbock — MILL, etc. — Whaley Mill & Elevator Co., c/o J. C. Whaley & associates and Whaley Lumber Co., purchased site, etc., and plans 6 story and part basement, rein.-con. and brick mill and grain elevator, plain foundation. $250,000. Private plans.

Tex., Palestine—ICE PLANT—Palestine Ice Co., c/o W. B. McNaughton, plans rebuilding plant recently destroyed by fire. $70,000. Engineer and architect not selected.

Tex., San Antonio — BOOKBINDING PLANT—Universal Publishing Syndicate, 117 Soledad St., purchased site and plans 2 story, 65 x 95 ft., rein.-con. and brick, Market St. $100,000.

Colo., Denver — STEEL PLANT — Colorado Fuel & Iron Co., Boston Bldg., E. H. Weitzel, vice pres. and genl. mgr. Minnequa Steel Wks., plans new steel plant. $1,500,000.

Ore., North Portland—PAPER MILL—G. T. Mickle Lumber Co. having plans prepared paper mill, on water front. To exceed $1,000,000. Engineer and architect not announced.

Calif., Los Angeles—SUB-STATION—Bureau of Power & Light, 207 South Bway., had plans prepared, three 75 x 125 ft. each, rein.-con. sub-stations in South Normandie and North Commonwealth Aves., and Trinity St. To exceed $250,000.

Calif., San Juan—CEMENT MILL—Old Mission Portland Cement Co., Standard Oil Bldg., San Francisco, plans additional buildings and equipment to increase cement mill capacity. $750,000 funds appropriated.

Calif., Stockton—REFINERY—Calaveras Copper Co., Copperopolis, plans copper refinery and wire drawing plant, on waterfront. $500,000.

Calif., Venice—ICE and COLD STORAGE PLANT—J. M. Noell, 940 Venitian Ave., having plans prepared, ice and cold storage plant. $125,000.

Ont., Sandwich — SALT PLANT — Canadian Salt Co. plans prepared for enlarging plant. $40,000.

BIDS DESIRED

Conn., Waterbury — FACTORY — Lux Clock Mfg. Co., 97 Sperry St., taking bids 5 story and basement, 50 x 322 ft., brick and steel addition. Noted Nov. 12.

O., Wooster—INDUSTRIAL—Jan. 13, by Dept. Welfare, 9th and Oak Sts., Columbus, 3 story, 38 x 100 ft., brick industrial building, $50,000, 2 story, 30 x 60 ft. apple storage building, $8,000, and 1 story 58 x 66 ft. greenhouse, $15,000, here. H. H. Briggs, Ohio Hartman Bldg., Columbus, engr.

Ind., Evansville—FACTORY—See "Contracts Awarded."

Buildings—Industrial (Continued)

Mo., Kennett—ICE PLANT—See "Contracts Awarded."

Tex., Ft. Worth—FREIGHT DEPOT—Jan. 28, by Gulf, Colorado & Santa Fe Ry. Co., F. Merritt, ch. engr., Galveston, 1 story, 300 ft. long, rein.-con. and brick, 14th and Jones Sts., here. $150,000.

Calif., San Francisco — PRINTING PLANT—T. Ronneberg, engr., Crocker Bldg., taking bids 3 story, rein.-con., Sansome St., for Sunset Publishing Co. $150,000.

CONTRACTS AWARDED

N. Y., Port Richmond (Sta. Staten Island) — PLANT — Proctor & Gamble, Western Ave., 2 additional buildings with separate furnace and generator building for hydrogen gas equipment, to H. K. Ferguson Co., 4900 Euclid Ave. Bldg., Cleveland, O. Archts. est. to exceed $150,000.

N. J., Atlantic City—PRESS—W. F. B. Koelle, archt., Otis Bldg., Phila., Pa., 1 story and basement, 100 x 155 ft., rein.-con., brick and steel, plain foundation, North Carolina and Caspian Aves., to W. B. Markland Co., Guarantee Trust Bldg., Atlantic City, for News Publishing Co. Noted Dec. 10.

Pa., Columbia—MANUFACTURING—O. K. Clutch & Mchy. Co., 1 story, 70 x 140 ft. plant, to Austin Co., 1612 Euclid Ave., Cleveland, O. Engrs. est. $40,000.

Ga., Atlanta—ICE PLANT—T. K. Night Co., 61½ Forsyth St., 1 story, 158 x 200 ft., 60 tons daily capacity, to Barge-Thompson Co., 61½ North Forsyth St. Archts. est. $125,000.

Fla., Miami — ICE PLANT — Riverside Ice & Cold Storage Co., 438 Southwest 17th St., 2 story, 94 x 145 ft., concrete block, to G. H. Simmonite, 719 Northwest 13th Ave., $40,000.

Tenn., Oneida — MACHINE SHOP — Oneida Mchy. Co., 1 story, 75 x 142 ft., steel, to Austin Co., 16112 Euclid Ave., Cleveland, O.

O., Cleveland—FOUNDRY — Aluminum Co. of America, C. O. Tessler, mgr., 2610 Harvard Ave., 800 tons steel for 1 story, 50 x 300 ft., steel addition, to McClintic-Marshall Co., Oliver Bldg., Pittsburgh, Pa. Archts. est. $100,000.

O., Cleveland — FACTORY — Ferro Machine & Fdry Co., J. T. Stoney, mgr., East 66th St. and Hubbard Ave., 1 story, 60 x 160 ft. and 60 x 140 ft., brick and steel factory buildings, to S. W. Emerson Co., Union Bldg. Archts. est. $75,000.

O., Cleveland—FACTORY—S. Klausner & Sons, S. Klausner, pres., 2715 East 51st St., 1 story, 120 x 265 ft., brick and timber, 5207 Grand Ave., to A. Wasserman, 11108 Kinsman Rd. Archts. est. $75,000.

O., Cleveland — HEAT TREATING PLANT—The Elwell-Parker Electric Co., M. S. Townson, genl. mgr., 4205 St. Clair Ave., 1 story, 60 x 60 ft., brick and steel, 4205 St. Clair Ave., to S. W. Emerson Co., Union Bldg. Archts. est. approximately $40,000.

O., Plymouth—FACTORY — Fate-Root Heath Co., 1 story clay working factory, brick and steel, to Austin Co., 16112 Euclid Ave., Cleveland. Archts. est. $40,000.

Ind., Evansville — FACTORY — Amer. Woodcraft Corp., will build 1 story, 60 x 360 ft. and 60 x 200 ft. fireproof furniture factory, West Pennsylvania Ave., by day labor. $120,000. A. E. Neucks, Old State Bank, archt.

Ind., Hartford City—FACTORY—Hartford City Paper Co., 2 story and basement, 40 x 44 ft., fireproof factory, to Indiana Eng. & Constr. Co., Central Bldg., Ft. Wayne. Archts. est. $50,000. Private plans.

Ind., Indianapolis—HOSIERY MILL—Real Silk Hosiery Mills, 624 North Noble Ave., 2½ story and basement, 100x200 ft., rein.-con., brick and steel, concrete pile foundation, Noble St., to W. P. Jungclaus Co., 825 Massachusetts Ave. Archts. est. $160,000.

Ind., Mishawaka — STEEL PLANT — Amer. Fdry. Co., 2 story, 100 x 200 ft., brick, steel and rein.-con., to R. Sollitt & Sons, South Bend. Archts. est. $40,000. Private plans.

Ill., Maywood — PLANT — Canada Dry Brewing Co., 25 West 43rd St., New York City, C. O. Taylor, pres., 1 story and part basement, 300 x 300 ft., concrete and brick, here, to Avery-Brundate Co., 110 South Dearborn St., Chicago. Archts. est. $300,000. Noted Dec. 17.

Ill., Rock Falls—WIRE MILL—Russell-Burdsall-Ward Co., South St., Port Chester, N. Y., 1 story, 85 x 160 ft., steel, here, to Austin Co., 160 North La Salle St., Chicago.

Wis., Combined Locks—PAPER MILL—Combined Locks Paper Co., 2 story, 102 x 170 ft., brick, concrete and steel addition, plain foundation, here, to C. R. Meyer & Son, 50 State St., Oshkosh.

Neb., Omaha—ICE PLANT—Peoples Ice & Cold Storage Co., 1224 Chicago St., general contract remodeling and constructing ice plant addition, to Parson Constr. Co., 404 Arthur Bldg. Archts. est. $100,000.

Mo., Kennett — ICE PLANT — Ark-Mo Power Co., Kennett, will build ice plant. $200,000. Work will be done by separate contracts. Ophuls & Hill, Inc., 112 West 42nd St., New York City, N. Y., engrs.

Mo., North Kansas City—FACTORY—Mapes Consolidated Mfg. Co., Griffin, Ind., 1 story, 200 x 250 ft., brick and steel factory, here, to C. G. Martin, c/o C. B. Sloane, archt., 321 East 11th St., Kansas City. Archts. est. $125,000.

Tex., Denton—ICE PLANT—Crystal Ice Co., 1 story, 40 x 60 ft., brick and stone, 35 tons daily capacity, to F. J. Johnson, 2409 East 1st St., Austin. Archts. est. $90,000.

Buildings—Commercial

PROPOSED WORK

Mass., Boston—APARTMENT—D. Stern, 294 Washington St., having plans prepared by G. N. Jacobs, 4 Park St., 6 or 7 story and basement, 5,000 sq.ft. floor space, brick and stone, Pinckney St. To exceed $150,000.

Mass., Braintree (Ind. br. Boston) — STORE and OFFICE—C. M. Clifford, 106 Main St., Brockton, plans 3 story and basement, rein.-con. and brick, Washington St., here, $150,000. Engineer and architect not selected.

Mass., Gardner — THEATRE — Gardner Realty Corp., c/o B. L. Cohn, Gardner, plans 1 story and basement, brick and steel, Parker St. $150,000. Engineer and architect not selected.

Mass., Lynn — BANK — Commonwealth Savings Bank, 345 Union St., plans 1 and 2 story and basement, brick. $150,000. Engineer and architect not selected.

Mass., Malden (br. Boston) — APARTMENT — A. E. Morton, 36 Mountain Ave., having plans prepared by C. F. Springall, 50 Concord Ave., 3 story and basement, brick, Mountain Ave. $150,000.

Conn., New Britain—BUSINESS—Commercial Trust Co., J. C. Loomis, pres., 274 Main St., having plans prepared by A. Hopkins, 451 Lexington Ave., New York City, and takes bids about Jan. 15, 6 story, 60 x 135 ft., brick and steel, West Main St. $250,000.

N. Y., Brooklyn — APARTMENT — Shampan & Shampan, archts. and engrs., 188 Montague St., preparing plans brick, steel and stone, plain foundation, Eastern Parkway and Underhill Ave. $1,000,000. Owner's name withheld.

N. Y., Brooklyn — APARTMENT — Shampan & Shampan, engrs. and archts., 188 Montague St., preparing plans brick, steel and stone, plain foundation, St. Marks Ave. $800,000. Owner's name withheld.

N. Y., Brooklyn—WAREHOUSE—Long Island Storage Warehouse, E. T. Jenkins, pres., Gates and Nostrand Aves., having plans prepared by Tillion & Tillion, engrs. and archts., 415 Lexington Ave., New York City, rein.-con., brick and steel, plain foundation, Ocean Parkway. $1,000,000.

N. Y., New York — APARTMENT — Resca Realty Corp., c/o G. Nordham, engr. and archts., 18 West 34th St., having plans prepared 6 story, brick, steel and stone, plain foundation, Nagle Ave. $400,000.

N. Y., New York — APARTMENTS — Tolosi Building Corp., c/o W. Koppe, engr. and archt., 565 East Tremont Ave., having plans prepared two 6 story, 100 x 120 ft., brick, steel and stone, plain foundation, Kingsbridge Rd. $225,000.

N. Y., New York — HOSPITAL — New York Psychiatric Institute & Hospital, 168th St. and Bway., having plans prepared by S. W. Jones, Capitol, Albany, rein.-con., steel and stone, plain foundation, 168th St. and Bway. $1,600,000.

N. Y., New York — HOSPITAL — St. Marks Hospital, 177 2nd Ave., having plans prepared by Crow, Lewis & Wick, engrs. and archts., 200 5th Ave., 5 story, 90 x 111 ft., brick, steel and stone, plain foundation, 233 East 11th St. $400,000.

N. Y., New York — HOTEL — Fifty-Seventh Street and Fifth Avenue Corp., G. M. Heckscher, pres., 730 5th Ave., having plans prepared by Allen & DeYoung, Inc., 277 Park Ave., 42 story, brick, steel and stone, plain foundation, 57th St. and 5th Ave. $7,500,000.

N. Y., New York — OFFICE — Court Square Building, Inc., c/o Buchman & Kahn, engrs. and archts., 49 West 45th St., having plans prepared 21 story, 100 x 186 ft., brick, steel and stone, plain foundation, Reade and Elm Sts. $2,500,000.

N. J., Camden—OFFICE—Medical Arts, c/o Edwards & Green, archts., Van Russ Bldg., Camden, having plans prepared 8 story and basement, 50 x 120 ft., rein.-con., brick and steel, plain foundation, Bway. and Stevens Sts. $400,000.

N. J., Merchantville (Ind. br. Camden) — APARTMENT — Greenberg Apartments, c/o Edwards & Green, archts., Van Russ Bldg., Camden, having plans prepared 3 story and basement, 93 x 135 ft., brick and stone, plain foundation. $200,000.

N. J., Newark—OFFICE—N. T. Hall Assn., c/o F. Grad, archt., 1023 Broad St., having plans prepared 18 story, brick, steel and stone, plain foundation, Broad and West Kinney Sts. $1,750,000.

N. J., Newark — THEATRE — G. Furst, c/o F. Grad, engr. and archt., 1023 Broad St., having plans prepared brick, steel and stone, plain foundation, Orange Ave. $250,000.

N. J., Newark—WAREHOUSE—L. S. Plant & Co., 715 Broad St., having plans prepared by Starrett & Van Vleck, engrs. and archts., 393 7th Ave., New York City, rein.-con., brick and steel, plain foundation, New St., here. $400,000.

N. J., New Lisbon — SANATORIUM — Burlington Co., Mt. Holly, plans improving tuberculosis sanatorium and insane asylum, here. $160,000. H. B. Smith, Mt. Holly, engr.

Pa., Elkins Park (Ind. br. Phila.) — APARTMENT—H. Pearl, 625 South 63rd St., Phila., having preliminary plans prepared 4 story and basement, 26 x 172 ft., rein.-con., brick and steel, plain foundation, York Rd. and Ashbourne St. Engineer and architect not selected.

Pa., Phila. — APARTMENT — Myers & Shaw, archts., Bankers Trust Bldg., making plans 8 story and basement, 20 x 140 ft., rein.-con., brick and steel, plain foundation, 1404 Spruce St. $180,000. Owner's name withheld.

Pa., Phila. — INFIRMARY — Methodist Episcopal Home, J. T. Carson, secy., 2139 Huntingdon Ave., having plans prepared by H. W. Castor, Stephen Girard Bldg., 3 story and basement, rein.-con., brick and steel, plain foundation, Edgely and Belmont Sts. $250,000.

Pa., Phila. — SALES and SERVICE — Duff Nash Motor Co., 1113 South Broad St., having plans prepared by P. S. Tyre, 114 South 15th St., 3 story and basement, 86 x 100 ft., rein.-con. and brick, plain foundation, Broad St. and Washington Ave. $150,000.

Pa., Phila.—STORAGE WAREHOUSE—Wallace Storage Co., 1826 North 20th St., having revised plans prepared by G. S. Kingsley, engr. and archt., 1452 Bway., New York City, N. Y., 6 story and basement, 75 x 120 ft. rein.-con. and brick, plain foundation, 237-53 Church Lane. $300,000. This corrects report in Dec. 17 issue.

Pa., Phila.—University of Pennsylvania, B. W. Frazier, pres., 1600 Walnut St., plans Y. M. C. A., 36th and Locust Sts. $750,000. Engineer and architect not selected.

Md., Baltimore — STORE, etc. — Montgomery Ward & Co., 618 West Chicago Ave., Chicago, Ill., having plans prepared and 8 story and basement, and 2 story, 140 x 200 ft. additions, plain foundation, Washington Blvd. and Monroe St., here. $800,000. W. H. McCaully, c/o owner, engr. Noted Dec. 17.

Md., Roland Park (Sta. Baltimore) — HOME—Bureau Catholic Charities, E. L. Leonard, pastor, 408 North Charles St., Baltimore, having plans prepared by G. R. Callis, Hearst Tower, Baltimore, 3 story and basement, brick and steel, plain foundation, here. $200,000.

D. C., Wash.—GARAGE—Capitol Garage Co. had sketches made by A. B. Heaton, Maryland Bldg., garage, New York Ave. between 13th and 14th Sts. $1,000,000.

Fla., Arcadia—HOSPITAL—DeSoto Co. having preliminary plans prepared by Pugin & Wallace, Union St., Nashville, Tenn., for hospital. $300,000. Noted Nov. 12.

Fla., Sarasota—CITY HALL—Election Jan. 19, $500,000 bonds, city hall. J. Burkett, city clk.

Miss., Hattiesburg — HOSPITAL — Methodist Episcopal Church having preliminary plans prepared by W. F. Schulz, archt. and engr., Shrine Bldg., Memphis, Tenn., 75 bed hospital. $175,000.

Tenn., Memphis — COMMERCIAL — Standard Sanitary Supply Co., Bessemer Bldg., Pittsburgh, Pa., having plans prepared by Hanker & Cairns, Scimitar Bldg., 4 story, 70 x 250 ft., rein.-con. and brick, Beale Ave. and Southern R.R. tracks, here. $250,000.

Tenn., Memphis—OFFICE—C. F. Farnsworth, 1720 Central St., having plans prepared by E. L. Harrison, Fidelity Bank Bldg., 12 story, 68 x 75 ft., concrete, brick and stone, South Main St. and Union Ave. $500,000.

O., Cleveland — COMMERCIAL and APARTMENT — Larchmere-Moreland Co., P. J. Spitz, pres., 814 Swetland Bldg., having plans prepared by A. W. Harris, Guarantee Title Bldg., 2 story and basement, 70 x 250 ft., brick, Larchmere and Moreland Blvds. $200,000.

Buildings—Commercial (Continued)

O., Lakewood (br. Cleveland)—STORE, OFFICE and APARTMENT—Estates & Investment Co., B. F. Keith Bldg., Cleveland, having plans prepared by Schabel & Grimm, 355 Erie Bldg., Cleveland, 3 story and basement, 60 x 130 ft., brick, Detroit and Ethel Aves., here. $200,000.

Ill., Chicago — APARTMENT — H. J. Kusel, 35 South Dearborn St., having plans prepared by T. R. Bishop, 35 South Dearborn St., and takes bids about Jan. 7. 7 story, 75 x 145 ft., brick and terra cotta, 1236 Madison Park Ave. $400,000.

Ill., Chicago—APARTMENT—Sheridan-Aldine Building Corp., c/o Krenn & Dato, Inc., 936 North Michigan Ave., having plans prepared by Rissman & Hirschfield, 64 West Randolph St., 16 story and basement, 107 x 173¾ ft., rein.-con., brick, stone and terra cotta, 3300 Sheridan Rd.

Ill., Chicago—South Park Comrs., 57th St. and Cottage Grove Ave., having plans prepared by L. White, 57th St. and Cottage Grove Ave., 1 story, 160 x 230 ft., brick and steel field house in La Grange Park at Garfield Blvd. and South Western Ave. $350,000.

Ill., Chicago—HOTEL—D. G. Wallace, archt., 22 West Monroe St., soon takes bids 4 story, brick and terra cotta hotel, Drexel Blvd. and 42nd Pl., for J. S. Smith, c/o architects. $750,000.

Ill., Chicago—THEATRE, APARTMENT and STORE—F. Ragen, et al, 7531 Stony Island Ave., having sketches made by J. Eberson, 212 East Superior St., 7 story, rein.-con., brick and terra cotta, Exchange and Saginaw Aves., 75th and 76th Sts. $2,500,000.

Wis., Beloit — BANK — Beloit Savings Bank, 119 West Grand Ave., purchased site and plans 2 story, brick and stone, plain foundation, North State St. $150,000. Engineer and architect not selected.

Wis., Eau Claire—MASONIC TEMPLE—Masonic Bd. Trustees, G. B. Wheeler, pres., plans 2 or 3 story, brick, stone and concrete, plain foundation. $300,000. Engineer and architect not selected.

Wis., Kenosha — APARTMENT and BUSINESS — Pious Bros., 1075 Sheridan Rd., having plans prepared by A. Epstein, 2001 West Pershing Rd., Chicago, Ill., 3 story and basement, brick, terra cotta and concrete, plain foundation, Prairie St. $150,000.

Wis., Kenosha—TELEPHONE—Wisconsin Telephone Co., 418 Bway., Milwaukee, purchased site and plans 3 story and basement, brick and concrete, plain foundation, Congress St. Engineer and architect not selected.

Kan., Concordia—HOSPITAL—Sisters of St. Joseph plans Mary Rose, Mother Superior Hospital. $500,000.

Mo., St. Louis—CLUB—St. Louis Club, c/o W. F. Carter, chn., Boatmens Bank Bldg., will not construct 6 story and basement, 200 x 216 ft., club, Kingshighway Blvd. and Maryland St. Project abandoned. Noted May 21.

Mo., St. Louis—REFECTORY, etc.—Bd. Pub. Serv., 208 City Hall, had plans prepared by H. E. George, c/o Div. Parks, Municipal Courts Bldg., 1 story and basement, 94 x 210 ft., brick and concrete refectory, lockers, shower baths, etc., in Forest Park, $150,000; also 2 story, 30 x 75 ft., brick and concrete stables, O'Fallon Park, $25,000.

Ark., Hot Springs—HOTEL—Howe Hotel Co., c/o J. W. Howe et al., having preliminary plans prepared 6 story and basement, 60 x 110 ft., rein.-con., brick, steel and stone, Central Ave. and Canyon Sts. $250,000.

Tex., Ft. Worth—OFFICE—J. H. Jones, Houston, c/o W. C. Hedrick, representative, 100 Ashland St., Ft. Worth, plans 16 story and basement, 85 x 100 ft., rein.-con., brick, steel and stone, Lamar and West 7th Sts. $1,000,000. Engineer and architect not selected.

Tex., Wichita Falls — HOTEL — O. F. Marchman, 813 Scott St., having plans prepared by Sorey & Vahlberg, engrs. and archts., 813 Scott St., and Braniff Bldg., Oklahoma City, Okla., 4 story and basement, 75 x 150 ft., rein.-con., brick and stone, plain foundation. $150,000.

Okla., Ada — COURTHOUSE — Pontotoc Co. voted $150,000 bonds 2 story and basement court house, Central St. Engineer and architect not selected. Noted Nov. 26.

Okla., Blackwell—HOTEL—J. P. Larkin, Herington, having preliminary plans prepared 3 story, 75 x 140 ft., rein.-con. and brick addition to Larkin Hotel, Dewey St., here. $200,000. Engineer and architect not selected.

Okla., Oklahoma City—OFFICE—Patterson Bros., 1404 North Lottie St., having preliminary plans prepared 3 story, 100 x 150 ft., rein.-con. and brick addition to Patterson Building, West Main St. $200,000. Engineer and architect not selected.

Wash., Tacoma—HOTEL—Heath, Gove & Bell, archts., P. S. Bank Bldg., take bids about Jan. 14, 5 story (ultimately 8 story) and basement, 100 x 120 ft., rein.-con., brick and steel, 9th St. and Pacific Ave., for C. Drury, Anconia Apartments. $175,000. Noted Dec. 17.

Ore., Portland—HOTEL—Portland Hotel Co., 6th and Morrison Sts., having plans prepared by C. Richardson, Lewiston, Idaho, remodeling and constructing addition to Portland Hotel, Morrison, Yamhill, 5th and 6th Sts. $1,000,000. Noted June 18.

Ore., Portland—OFFICE—M. A. Mayer having plans prepared by H. P. Bergen, Henry Bldg., and M. Schachr, Yeon Bldg., 4 story, 100 x 100 ft., rein.-con., 12th and Morrison Sts. $200,000.

Calif., Alhambra—APARTMENT—Community Hotel Co. of Alhambra had plans prepared by Starrett & Payne, Western Mutual Life Bldg., Los Angeles, 5 story and basement, 90 x 170 ft., rein.-con., 1st St. and South Garfield Ave. $250,000.

Calif., Hollywood — CLUB — Hollywood Council, Knights of Columbus, P. J. Cooney, chn. Bd. Comn., Black Bldg., Los Angeles, plans 3 story and basement, probably brick, Highland Ave. $150,000.

Calif., Los Angeles — HOSPITAL — Los Angeles Co. had plans prepared by Allied Architects Assn., Citizens Natl. Bank Bldg., (1st unit) group rein.-con. hospital buildings. $5,000,000. Total est. $8,000,000. Noted Oct. 8.

Calif., Oakland—APARTMENT—C. N. Burrell, archt., 250 Grand Ave., preparing preliminary plans 5 story and basement, brick and steel in downtown section. $200,000. Owner's name withheld.

Calif., Oxnard—LODGE and OFFICE—B. P. O. E. plans 2 or more story, fireproof building, Main and Ash Sts. $150,000.

Calif., San Francisco—APARTMENT—Lacey & Steur, c/o J. C. Hladik, archt., Monadnock Bldg., having plans prepared, 8 story and basement, rein.-con., Hyde St. and O'Farrell St. $200,000.

Calif., Sacramento — BANK — United Bank & Trust Co., having plans prepared by Gottschalk & Rist, 760 Market St., San Francisco, 1 or 2 story and basement, 7th and J Sts. $200,000.

Calif., San Francisco—APARTMENT—E. Tropp, 129 Sutter St., having preliminary plans prepared by Hyman & Appleton, 68 Post St., 14 story and basement, Pacific Ave. $750,000.

BIDS DESIRED

Mass., Attleboro—THEATRE—Jan. 6, by Eagle Building Assn., c/o J. A. Tuck, archt., Park Sq. Bldg., Boston, 4 story and basement, 112 x 240 ft., brick and steel, Bank St. $350,000.

Mass., Roxbury (Boston P. O.)—HOSPITAL—City, Institutions Dept., Boston taking bids, altering and constructing 3 story and basement, brick, Parker Hill Ave., here. $1,000,000. O'Connell & Shaw, 134 Newbury St., Boston, archts. Noted Aug. 20.

Mass., Sharon—HOTEL—Springers Inn, taking bids 4 story and basement, brick, Massapoag Ave. $150,000. A. Rosenstein, 220 Devonshire St., Boston, archt. Noted Nov. 19.

R. I., Providence—APARTMENT—See "Contracts Awarded."

Pa., Fox Chase (Sta. Phila.) — HOSPITAL — Jan. 7, by Heacock & Hokenson, archts., 1211 Chestnut St., Phila., making plans 42 x 185 ft. 40 x 43 ft. and 53 x 58 ft. hospital, 53 x 100 ft. administration building, and 38 x 157 ft. nurses home, each 2½ story and basement, rein.-con., brick and steel, plain foundation, Filmore, Shelmire, Hartel and Hasbrook Sts., here, for Jeanes Memorial Hospital, c/o architects.

Md., Baltimore — APARTMENT — See "Contracts Awarded."

O., Canton — GARAGE — North Market Realty Co., taking bids 2 story and basement, 88 x 200 ft., Tuscarawas St., W. $150,000.

O., Youngstown—APARTMENT—Apr. 1, by G. L. Oles, 7 story and basement, 100 x 170 ft., stone, Boardman and Phelps Sts. $750,000.

Ill., Chicago—APARTMENT—Weinstein & Goldman, 1222 Blue Island Ave., taking bids 3 story and basement, 122 x 134 ft., brick, Warren Ave. near California Ave. $200,000. E. J. Patelski, 179 North Wells St., archt.

Ill., Chicago—APARTMENT—See "Contracts Awarded."

Ill., Chicago — NATATORIUM — E. J. Potelski, archt., 179 North Wells St., taking bids rebuilding, etc. natatorium 1432-1440 North Wells St., for F. W. Brinkman, 1432 North Wells St. $150,000.

Okla., Tulsa—CIVIC HEADQUARTERS—Jan. 15, by Rush, Endicott & Rush, archts., 404 New Wright Bldg., 10 story and basement civic headquarters for Chamber of Commerce. Noted Dec. 17.

Okla., Walters — COURT HOUSE and JAIL — Jan. 18, by Tonini & Bramblett, archts., 416½ Main St., Oklahoma City, 3 story and basement, 74 x 90 ft., rein.-con. and stone court house and jail, for Cotton Co. $150,000. Noted June 18.

Calif., Berkeley — THEATRE — M. T. Jorgensen, archt., 110 Sutter St., San Francisco, taking bids rein.-con., 1,400 seating capacity University and San Pablo Aves., here, for Golden State Theatres, Inc., c/o architect.

Calif., Los Angeles—THEATRE, STORE and OFFICE—W. H. Fisher, Union Oil Bldg., taking bids 2 story, 135 x 162 ft. theatre section, 2,000 seating capacity, and 35 x 140 ft., timber office section, Wilshire Blvd. near La Brea Ave. $200,000. L. A. Smith, Film Exch. Bldg., archt. Noted Dec. 17.

Calif., Santa Barbara—HOTEL—W. A. Edwards and associates, archts., 1405 Anacapa St., taking bids 4 story, brick and concrete, for J. H. Fast. $200,000. Noted Nov. 12.

BIDS RECEIVED

Minn., Hopkins—POOR HOUSE—G. H. Mallon, chn. Bd. Comrs. Hennipen Co., Court House, general contract 3 story and basement, rein.-con., brick and stone poor house, incl. laundry and equipment, from J. C. Nelson & Son, 915 North East Bway., Minneapolis, $134,300. Noted Dec. 3.

CONTRACTS AWARDED

Mass., Greenfield — BUSINESS — J. B. Chevalier & Sons, 220 David St., 2 story and basement, 50 x 115 ft., brick, to Thomas Bros., City Rd., Turners Falls. Archts. est. $150,000.

Mass., Malden (Boston P. O.)—MAIL ORDER—Perry Pictures Co., 42 Dartmouth St., 3 story and basement, rein.-con. and brick, 116-118 Mountain Ave., to Gascoigne & Co., Inc., 6 Beacon St., Boston. Archts. est. $150,000. Noted Oct. 22.

Mass., Watertown—OFFICE—Hood Rubber Co., Nicholas Ave., 5 story and basement, 95 x 115 ft., rein.-con., 4th and Nicholas Ave., to Aberthaw Co., 27 School St., Boston. Archts. est. $200,000 or more.

R. I., Providence — APARTMENT — H. Soren, 199 Sacket St., will build 3 story and basement, 70 x 105 ft., brick, Ontario and West Broad Sts. $150,000. Work will be done by separate contracts. Page & Page, 87 Weybosset St., archts.

N. Y., Brooklyn—BANK—Dime Savings Bank, DeKalb Ave., 2 story, brick, steel and stone, plain foundation, DeKalb Ave. and Fleet St., to Realty Associates, 162 Remsen St. Archts. est. $500,000.

N. J., Glen Gardner—HOSPITAL—State Bd. Institutions & Agencies, Trenton, general contract childrens unit at state hospital, here, to Butler-Reisdorf, 20 East 41st St., New York City, $187,000. Noted Nov. 26.

N. J., Moorestown—BANK—Davis, Dunlap & Barney, archts., 805 South Walnut St., Phila., Pa., 1 story, mezzanine and basement, 42 x 83 ft., rein.-con., brick and steel, plain foundation, here, to R. C. Ballinger, 925 Walnut St., Phila., Pa., for Moorestown Trust Co. Noted Nov. 19.

N. J., Newark—THEATRE—J. Stern, 207 Market St., 1 story, brick, steel and stone, plain foundation, South Orange Ave., to W. J. McEvoy Constr. Co., 85 Academy St. Archts. est. $450,000.

Pa., Pittsburgh—SALES and SERVICE—Eric Fisher Wood Co., archts., Wood and Olive Aves., general contract 2 story and basement, 106 x 150 ft., rein.-con., Center Ave. ,to Conley & DeMey, 127 North Hiland Ave.; sub-structure, to Schriber Constr. Co., Bessemer Bldg., for F. D. Saupp, Inc., Center Ave. Archts. est. $250,000. Noted Dec. 10.

Pa., Sayre—HOSPITAL—Robert Thatcher Hospital, 2 story, brick hospital building, to C. M. Thompson & Co., Towanda.

Md., Baltimore—APARTMENT—F. Carrozza, 5209 York Rd., will build 4 story, 95 x 150 ft., brick, plain foundation, Charles and 25th Sts., by day labor. $150,000. Private plans.

Fla., Jacksonville — WAREHOUSE — Larrey & Delcher Storage Co., Inc., 4 story, 105 x 105 x 210 ft., rein.-con., to C. W. Hessler, Inc., West Bldg., $200,000.

La., Shreveport — BUSINESS — G. F. Bishop, c/o G. F. Bishop, Inc., general contract (1st unit) 5 story addition, Spring and Milam Sts., to Glassell-Wilson Co., Inc., Shreveport, $56,000. Noted Oct. 15.

O., Cleveland — COMMERCIAL and APARTMENT—Carlton Impvt. Co., c/o A. Brabowski, 826 Williamson Bldg., 2 story and basement, 65 x 133 ft., brick, Detroit Ave., to I. and B. Dolinsky, 2214 East 83rd St. Archts. est. $150,000. Noted Oct. 1.

Buildings—Commercial (Continued)

Ill., Chicago—APARTMENT—F. Miller, 1254 North Western Ave., will build 3 story, 100 x 140 ft., rein.-con. and steel, 1537-1543 North California Ave., by day labor. $400,000.

Ill., Chicago—APARTMENT HOTEL—Oldefest & Williams, archts., 605 North Michigan Ave., general contract 7 story, 50 x 120 ft., rein.-con., brick and terra cotta, 620-622 Gary Pl., to J. Shedden & Co., 106 North La Salle St., for Angelus Building Corp., c/o architects. Noted Dec. 17.

Ill., Chicago—HOTEL—Oldefest & Williams, archts., 605 North Michigan Ave., masonry and concrete contract 15 story, 48 x 120 ft., rein.-con., brick and terra cotta, 644 Cass St., to E. W. Sproul Co., 2001 West Pershing Rd.; carpentry, to Olson Bros., 6901 Euclid Ave., for Case Street Building Corp., c/o architects. Archts. est. $800,000. Noted Nov. 5.

Ill., Peoria—HOTEL—Hewitt & Emerson, archts., 1600 Peoples Life Bldg., Pere Marquette Hotel, 13 story and basement, 123 x 171 ft., rein.-con., brick, steel and stone, concrete pile foundation, Main and Madison Sts., to V. Jobst & Sons, Lehman Bldg., for E. C. May and associates, Peoria Life Bldg. $1,500,000. Noted Dec. 10.

Ill., Riverside—APARTMENT—Riverside Building Corp., 3 story and basement, 95 x 140 ft., concrete, brick, stone and steel, Park Ave. and Lincoln St., to Building Dept., City State Investment Co., 130 North Wells St., Chicago. Archts. est. $150,000.

Kan., Kansas City—COURT HOUSE—Wyandotte Co., 6 story and basement, 155 x 220 ft., rein.-con. and Bedford stone, plain foundation, 7th St., Ann and Barnett Aves., to Swenson Constr. Co., Shubert Theatre Bldg., Kansas City, Mo., $912,020. Noted June 4.

Kan., Oberlin—COURT HOUSE—Decatur Co., general contract 4 story and part basement, 69 x 96 ft., brick and stone, to Cook & Ferrier, Manhattan, $103,526. Noted Dec. 3.

Mo., St. Louis—APARTMENT and STORE—D. Garfinkel, 6943 Gravois Ave., 2 story and basement, rein.-con., brick and stone, Grand St. at Kingshighway Park, to B. J. Charleville Building & Real Estate Co., 114 North 7th St. Archts. est. $150,000.

Mo., St. Louis—STORE—McCrory Stores Corp., 1107 Bway., New York City, N. Y., 4 or 10 story and baement, 104 x 120 ft., steel, concrete, brick and stone, 6th and Charles Sts., caissons and foundation, to Lotz Constn Co., Dolph Bldg.; structural steel, to Mississippi Valley Structural Steel Co., Arcade Bldg.; and erecting steel frame, to St. Louis Erection Co., Syndicae Trust Bldg. Noted Nov. 12.

Buildings—Educational, Religious

PROPOSED WORK

Mass., Malden (br. Boston)—HIGH SCHOOL—City, Bd. Education, plans new Junior High School, Marcus Beebe Estate. To exceed $150,000. Engineer and architect not selected.

Mass., Saugus (Ind. br. Lynn)—SCHOOL—Town, Bd. Selectmen plans new school, Lincoln Ave. $160,000. Engineer and architect not selected.

Mass., Webster—HIGH SCHOOL, etc.—Town, Bd. Educ., having sketches made by M. A. Dyer, 1 Beacon St., Boston, Junior High School and Municipal Building, 2 story, brick and stone, 390 Main St. To exceed $150,000.

Conn., West Hartford (br. Hartford)—CHURCH—St. Thomas the Apostle, J. F. Callahan, pastor, having plans prepared by Whiton & McMahon, 805 Main St., 1 story, 65 x 170 ft., brick and steel, Farmington Ave. $200,000.

N. Y., New York—SCHOOL—Bd. Educ., 500 Park Ave., having plans prepared by W. H. Gompert, archt. and engr., Flatbush Ave. extension and Concord St., Brooklyn, 5 story, 61 x 200 ft., brick, steel and stone, plain foundation, 105 East 111th St. $433,000.

N. Y., Oneonta—SCHOOL—Voted $210,000 bonds, new school.

N. J., Haddonfield—HIGH SCHOOL—Bd. Educ., 132 Hartwick Rd., having plans prepared by Simon & Simon, 249 South Juniper St., Phila., Pa., 3 story and basement, rein.-con. and brick, plain foundation, Kings Highway. $500,000. Noted Nov. 12.

N. J., Perth Amboy—SCHOOL—Vocational School Bd. Middlesex Co. plans vocational school, New Brunswick Ave., here. $270,000. A. C. Clark, pres. Engineer and architect not selected.

Pa., Erie—SCHOOL—Bd. Educ., R. S. Scobell, bus. mgr., having sketches made by W. W. Meyers, Library Bldg., 2 story and basement, 14 room, brick, steel and concrete addition to Irving School. $175,000. Mayer & Valentine, Plymouth Bldg., Cleveland, O., mechanical engr.

Pa., Phila.—ZOOLOGICAL GARDENS—Zoological Society, c/o W. B. Cadwallader, 1206 Medical Arts Bldg., having plans prepared by A. H. Brockie, 254 South 15th St., stone and brick, plain foundation, 34th and Girard Sts. $250,000.

N. C., Kittrell—COLLEGE—Kittrell College plans science hall, administration building, dormitory and memorial chapel. $750,000 donation.

La., Boyce—SCHOOL—Rapides Parish School Bd., Alexandria, voted $225,000 bonds, schools, here. Favrot & Livaudais, Hibernia Bank Bldg., New Orleans, archts. Noted Dec. 3.

Tenn., Nashville—SCHOOL—Defeated $1,000,000 bonds, for 4 high schools. H. E. Howse, mayor. Noted Nov. 12.

O., Akron—JEWISH CENTER and TEMPLE—Jewish Center Co., c/o W. Makowitz, archt., 9806 Kempton Ave., Cleveland, having plans prepared 1 story and basement, 68 x 115 ft., and 22 x 115 ft., brick, steel and concrete, here. $200,000.

O., Chillicothe—SCHOOL—Bd. Educ. purchased site and having sketches made grade school. $265,000.

Ind., Greensburg—CHURCH—First Methodist Church, A. Whitman, pastor, 311 North Bway., takes bids about Jan. 19, brick and rein.-con. church. $150,000. H. Foltz, 843 Lemcke Ave., Indianapolis, Ind., archt. and engr.

Ind., Indianapolis—SCHOOL—School Bd., 150 North Meridian St., takes bids about Dec. 29, Grade School 78, 16 room, rein.-con., brick and steel, Shermon Dr. and Vermont St. $170,000. Pierre & Wright, Hume-Mansur Bldg., archts. W. Breining, Indianapolis, engr. Noted Oct. 15.

Mich., Ferndale (br. Detroit)—SCHOOL—Bd. Educ. Dist. 9, Royal Oak Twp., having plans prepared by H. T. Keyes, 635 Free Press Bldg., Detroit, 2 story and basement, rein.-con., brick and steel, plain foundation, Nine Mile Rd. $200,000.

Ill., Alton—HIGH SCHOOL—Alton Consolidated School Dist. 151, H. H. Hewitt, secy., takes bids early in 1926, 3 story and basement, rein.-con., brick and stone, 6th and Langan Sts. $400,000. Rover, Danely & Smith, Urbana, and L. Pfeiffenberger & Sons, Alton, archts.

Wis., Marshfield—VOCATIONAL and JUNIOR HIGH SCHOOL—School Dist. 1, M. Hansen, clk., having plans prepared by Parkinson & Dockendorff, Linker Bldg., La Crosse, and soon takes bids 3 story, 36 x 207 ft. school, 60 x 108 ft. gymnasium and 70 x 104 ft. manual training shop, each 1 story, rein.-con., tile and brick, plain foundation. $240,000. Noted Nov. 26.

Minn., Minneapolis—ART INSTITUTE—Minneapolis Institute of Arts, J. R. Van Derlip, dir., 900 Metropolitan Life Bldg., plans rein.-con., stone and brick addition, 201 East 24th St. $150,000. Engineer and architect not announced.

Neb., Grand Island—CATHEDRAL—J. A. Duffy, Grand Island, having plans prepared by Brinkman & Hogan, P. O. Box 493, Emporia, Kan., 70 x 190 ft., stone cathedral. $250,000.

N. D., Grand Forks—SCHOOL—Election Jan. 5, $150,000 bonds, 3 story and basement, rein.-con. and brick addition, for Bd. Educ. J. B. DeRemer, 408 Security Bldg., archt.

Mo., Columbia—SCHOOLS—Voted $415,000 bonds, constructing 12 room Benton School, new high school and manual training addition to Fred Douglas High School. W. B. Ittner, 911 Locust St., St. Louis, archt. Noted Nov. 19.

Mo., Lexington—SCHOOL—Voted $240,000 bonds, high school, for Bd. Educ. J. H. Felt & Co., 300 West 47th St., Kansas City, archts. Noted Dec. 10.

Mo., St. Louis—LIBRARY—Public Library Bd., c/o Central Library, 14th and Olive Sts., having preliminary plans prepared by Trueblood & Graf, Chemical Bldg., 2 story and basement, 45 x 100 ft. library with 30 x 60 ft. assembly hall annex, concrete, brick and stone, Grand Blvd. and Utah Pl. $150,000.

Tex., Dallas—HIGH SCHOOL—De Witt & Lemmon, archts., 507 South West Life Bldg., soon takes bids East Dallas High School, 3 story and basement, rein.-con., brick and stone, for Bd. Educ., c/o C. M. Moore, secy. $500,000.

Tex., Dallas—SCHOOLS—Lang & Witchell, archts., 300 Amer. Exch. Bank Bldg. preparing plans and soon take bids 8 or 10 room school, Preston Rd. and Mockingbird Lane, $50,000; also altering and construction Dallas High School, $200,000, for Bd. Educ., c/o J. S. Bradfield, pres., 1305 Elm St.

Tex., Lubbock—HIGH SCHOOLS—Bd. Educ., c/o S. Wilson, secy., having plans prepared by Peter & Haynes, 321-25 Temple Ellis Bldg., North Ward School, 2 story, 50 x 85 ft.; Southwest Ward School, 2 story, 70 x 150 ft.; Mexican School, 1 story, and 2 story, 50 x 80 ft. auditorium addition to high school. $170,000. Noted Nov. 19.

Okla., Norman—UNION—University of Oklahoma having preliminary plans prepared by Layton, Hicks & Forsythe, Braniff Bldg., 3 story and basement, 120 x 140 ft., brick and steel, plain foundation, on campus. $250,000. Noted Feb. 19.

Calif., Redding—HIGH SCHOOL—Plans election $150,000 or more bonds, constructing school for Shasta Union High School Dept.

Calif., San Francisco—SCIENCE—State Normal School having plans prepared by G. B. McDougall, Forum Bldg., Sacramento, 2 story, rein.-con., Haight and Webster Sts. $160,000.

BIDS DESIRED

Mass., Pittsfield—CHURCH—Christian Science Benevolent Assn., c/o J. McArthur Vance, archt., 24 North St., taking bids 1 story and basement, 70 x 100 ft., brick and stone church. $150,000.

Mass., Winchester—CHURCH and Parish House—Second Congregational Church, J. E. Whitley, pastor, taking bids 1 story and basement, brick and stone, Washington St. and Kenwin Rd. $150,000. F. A. Bourne, 177 State St., Boston, archt. Noted May 22, 1924.

Fla., Coral Gables—SCHOOL—Jan. 19, by Dade Co. Bd. Pub. Instruction, 1st Ave. and 3rd St., Miami, 1 story, 100 x 120 ft. auditorium, 2 story, 30 x 112 ft. class room, and 32 x 82 ft. cafeteria, rein.-con. and tile, here. $175,000. Kiehnel & Elliott, 930 Seybold Bldg., Miami, archts.

Fla., Miami—HIGH SCHOOL—Jan. 19, by Dade Co. Bd. Pub. Instruction, 1st Ave. and 3rd St., 3 story, 200 ft. area, rein.-con. and tile, 10th St. and 21st Ave. $250,000. A. Geiger, 424-427 Calumet Bldg. archt.

Fla., Miami Beach—HIGH SCHOOL—Jan. 19, by Dade Co. Bd. Pub. Instruction, 1st Ave. and 3rd St., Miami, 3 story, 200 sq. ft. area, rein.-con. and tile, Drexel Ave. and 14th St., here. $250,000. M. L. Hampton Associates, Royal Palm Hotel Casino, Miami, archt.

Neb., Lincoln—HIGH SCHOOL—Jan. 28, by Bd. Educ., J. G. Ludlam, secy. Junior High School, 3 story and basement, 192 x 328 ft., brick and stone and 1 story shops. $650,000. Meginnis, Schaumberg, 406 Neb. State Bank Bldg., archts. Noted Oct. 22.

Mo., St. Louis—GYMNASIUM—Jan. 4, by O'Meara & Hills, archts., Arcade Bldg., 2 story and basement, 150 x 213 ft., rein.-con., brick and stone gymnasium, incl. stadium, 3,000 seating capacity, billard rooms, running track, 75 x 130 ft. swimming pool, etc., for St. Louis University, Grand and West Pine Blvds. $225,000.

Calif., Huntington Beach—SCHOOL—Jan. 8, by Trustees Huntington Beach High School Dist., fireproof high school. To exceed $300,000. Allison & Allison, Hibernian Bldg., Los Angeles, archts. Noted Dec. 24.

Calif., Long Beach—CHURCH—R. S. Tuttle, archt., 363 17th St., Oakland and K. Cuttler, associated archt., 1000 East Ocean Blvd., taking bids 2 story and basement, concrete and brick, State and Atlantic Sts., for Atlantic Ave. Methodist Church. $150,000. Noted Dec. 10.

Calif., Oakland—SCHOOL—Bd. Educ. taking bids Garfield School, 2 story and basement, brick and tile, East 17th St. and 22nd Ave. $200,000. Miller & Warnecke, 1404 Franklin St., archts. Noted Dec. 3.

BIDS RECEIVED

Mass., Boston—SCHOOL—City, Schoolhouse Dept., 1 and 2 story and basement, 64 x 128 ft., granite and limestone, plain foundation, Cross St., from W. J. Delaney, 283 Essex St., Lawrence, $91,700.

Conn., Stamford—SCHOOL—C. H. Martin, chn. school comn., general contract 2 story and basement, brick and steel, Woodland Ave., from M. T. Genovese, 70 Davenport Ave., $249,000; heating, from H. A. Penovi & Son, Stamford, $40,573. Noted Dec. 24.

O., Mayfield (mail South Euclid)—SCHOOLS—Bd. Educ., H. Huncher, clk., 3 concrete, brick and steel schools, Oakville School, 12 room and gymnasium, from W. F. Hendrich Co., 2776 East 53rd St., Cleveland, $113,346; Gates Mill School, 4 room and auditorium, from A. H. Taylor, $56,936; and 5 room and auditorium addition to Mayfield Central High School, from C. Peterson Constr. Co., 4500 Euclid Ave., Cleveland, $62,423. Noted Dec. 3.

Ind., Indianapolis—SCHOOL—Bd. School Comn., 150 North Meridian Ave., general contract Webster School 46, 2 story and basement, 105 x 191 ft., brick, steel and rein.-con., Reisner and Howard Sts., from W. L. Pierce, Michigan City, $141,984. Noted Nov. 19.

Buildings—Education, Religious (Cont.)

Mich., Jackson—HIGH SCHOOL—J. F. Clark, secy. Bd. Educ., 16 West Wesley St., Dec. 21, general contract 3 story and basement, rein.-con., brick and steel, plain foundation, Wildwood and Winthrop Sts., from H. G. Christman, Porter Apts., Lansing, $666,789; heating and ventilating, from Fruyn Bros., Indianapolis, $141,636; electrical work, from Micalls & Co., Battle Creek, $51,287; plumbing, from E. J. Young Co., Chicago, Ill., $52,000; cut stone, from Adam Robb, $42,505. Noted Dec. 10.

Tex., San Antonio — HIGH SCHOOL — City, Junior High School, 1 and 2 story, part basement, 110 x 170 ft., rein.-con., brick and stone, plain foundation, Yorkshire and Berkshire Aves., from E. Oeffinger, c/o Maverick Bldg., $172,380. Noted Oct. 1.

Calif., Los Angeles — SYNAGOGUE — Edelman & Barnett, associated archts., 726 H. W. Hellman Bldg., and S. T. Norton & H. Wallis, archts., 1210 Financial Center Bldg., 1 story and basement, 120 x 260 ft. synagogue, incl. 4 story Sunday school section, dome 120 ft. high, tile, marble, rein.-con. and steel, Wilshire and Hobart Blvds., from R. E. Campbell, 711 Central Ave., for Congregational B'nai B'rith. $659,369. Noted Nov. 12.

Calif., Oakland — SCHOOL — City, general contract fireproof annex for Elmhurst School, from A. F. Anderson, Builders Exch., $87,166. Noted Oct. 22.

Calif., San Francisco — SCHOOL — Jan. 20, by Bd. Pub. Wks., Galileo High School, fireproof, Francisco and Van Ness Ave., for City and San Francisco Co. $342,000. J. Reid, Jr., City Hall, city archt.

CONTRACTS AWARDED

Mass., Belmont (Boston P. O.) — HIGH SCHOOL — Town, Bd. Selectmen, Junior High School, 2 story and basement, 65 x 165 ft., brick and stone, Oakley Rd. and Washington St., to Fuller Constr. Co., 31 Milk St., Boston. Archts. est. $200,000. Noted Dec. 17.

Mass., Braintree (Ind. br. Boston) — HIGH SCHOOL — Town, Superintendent Schools, 2 story and basement, brick, to Simpson Bros. Corp., 77 Summer St., Boston. Archts. est. $360,000.

Pa., Phila.—SCHOOL—Hoffman-Henon Co., archts., Finance Bldg., 3 story and basement, 50 x 107 ft. and 47 x 144 ft., rein.-con., brick, stone and steel, plain foundation, 72nd and Woodland Sts., to M. L. Conneen & Co., 1813 South 54th St., for St. Clements Roman Catholic Church, F. P. Dougherty, pastor, 7104 Woodland St. Archts. est. $250,000. Noted Nov. 19.

Md., Baltimore—CHURCH—A. C. Leach, archt., 411 North Charles St., 1 and 2 story, 62 x 89 ft. church, and 56 x 80 ft. Sunday school, Charles St. and University Parkway, to C. C. Watts, 407 East 25th St., for A. W. Wilson Memorial Methodist Episcopal Church. $175,000. Noted Oct. 8.

Ill., Chicago — CHURCH — Fifteenth Church of Christ Scientist, 309 North Central Ave., masonry and carpentry contract 1 story, 86 x 159 ft., brick and steel, 201-209 North Central Ave., to O. W. Rosenthal & Cornell Co., 80 East Jackson Blvd. Archts. est. $300,000.

Federal Government Work

PROPOSED WORK

Mo., Sedalia—Post Office—Treas. Dept., at office Supervising Archt., Wash., D. C., soon takes bids 2 story and basement, rein.-con., brick and stone, here. $325,000. Noted Feb. 12.

Cuba, Guantanamo—Deck and Roof—Spec. 5150—Bureau Yards & Docks, Navy Dept., Wash., D. C., rejected bids Dec. 16, floating steel deck and alterations to roof of gasoline tank, at Navy Station, Guantanamo Bay, here. Noted Dec. 24.

BIDS DESIRED

D. C., Wash.—Cruiser, etc.—Mar. 1 (extended date), by Navy Dept., C. D. Wilbur, secy., for Scout Cruiser 25 and furnishing main turbines and gears for Scout Cruisers 24 and 25; adv. E. N.-R. Dec. 31. Noted Nov. 19.

Va., Quantico—Piles—Spec. 5180—Jan. 6, by Bureau Yards & Docks, Navy Dept., Wash., D. C., driving and securing new piles at Marine Barracks, here.

Ala., Mobile — Wharf, etc. — Jan. 5, by Treas. Dept., at office Supervising Archt., Wash., D. C., cresoted pile wharf and gangway, for United States Quarantine Station, (Sand Island), here; adv. E. N.-R. Dec. 31.

Ky., Louisville—Lime—Jan .23, by U. S. Engineer Office, Box 72, for 1,180 tons hydrated lime; adv. E. N.-R. Dec. 31.

Wis., Milwaukee—Steel—Jan. 18, by Supt. Lighthouses, fabricated steel for 1 steel plate tower for North Breakwater, here; adv. E. N.-R. Dec. 31.

Oregon—Road—Jan. 7, by C. H. Purcell, dist. engr., P. O. Bldg., Portland, grading, etc. 1.4 mi. Scholfield Sect. Scottsburg-Reeds-Port Highway, 60 ft., Douglas Co.

BIDS RECEIVED

D. C., Wash. — Administration — U. S. Veterans Bureau, Arlington Bldg., administration and clinic buildings, at U. S. Veterans Hospital, Mt. Alto, here, from A. Blair, 11 South Lawrence St., Montgomery, Ala., **(1a)** $154,785 **(1b)** $101,470 **(1c)** add $210 **(1d)** add $150 **(1e)** add $250 **(1f)** $100. Noted Nov. 26.

Ga., Atlanta — Administration — U. S. Veterans Bureau, Arlington Bldg., Wash., D. C., Dec. 22, 2 story and basement administration building for U. S. Veterans Hospital 48, here, from Baton-Cook Co., West Point, Ga., general construction **(1)** $62,454 **(3)** $3,547, etc.; icemaking and refrigerating machinery, from Hines Mfg. Co., Baltimore, Md., $5,500; and elevator, from S. Heller Elevator Co., 250 Milwaukee St., Milwaukee, Wis., $3,378. Noted Nov. 26.

O., Chillicothe—Curbing, etc.—U. S. Veterans Bureau, Arlington Bldg., Wash., D. C., curbing and sidewalks at U. S. Veterans Hospital, here, from Bayne & McCalla, Chillicothe, $5,801.

Mich., Camp Custer—Curbing, etc.—U. S. Veterans Hospital, Arlington Bldg., Wash., D. C., curbing and guttering at U. S. Veterans hospital, here, from W. Neal & Son, Nealsburg. $24,800.

Wash., Walla Walla — Roads — U. S. Veterans Hospital, constructing roads, at U. S. Veterans Hospital, here, from H. L. Wilson, Jaycox Bldg., $4,200.

Unclassified

PROPOSED WORK

Aquarium—Providence, R. I.—City, Park Comn., City Hall, having plans prepared repairing and constructing addition to aquarium, at Roger Williams Park. $35,000. W. E. Hartwell, city engr.

Concrete Plant—Miami, Fla.—Diamond Concrete Co., Exchange Bldg., plans concrete plant, to have 42,000 concrete block, 250,000 stand brick and 42,000 building tile daily capacity, etc.

Stadium—Cedar Rapids, Ia.—Coe College plans stadium. $200,000. S. N. Harris, secy. Engineer and architect not selected.

Power Plant—East Grand Forks, Minn.—Ottertail Power Co., C. S. Kennedy, genl. mgr., Fergus Falls, plans installing power plant, incl. 2 units of 2,000 hp. each. $400,000. Private plans

Stadium—Grand Forks, N. D.—University of North Dakota, c/o P. L. Samuelson, chn. stadium com., plans rein.-con. and brick stadium, 20,000 seating capacity, U campus. Engineer and architect not announced.

Dock—Vancouver, Wash.—Port of Vancouver voted $75,000 bonds, extending present dock and purchasing cargo loading equipment.

Ornamental Lighting System—Berkeley, Calif. — Plans ornamental lighting system on University Ave. F. B. Rae, city electrical engr.

Pedestrian Tunnel—Los Angeles, Calif.—City Council plans to issue $350,000 bonds, pedestrian tunnel.

Piers, Wharves, etc. — Hull, Que. — Canadian International Paper Co., Three Rivers, plans piers, wharves, log sluices, etc., on River Ottawa, here. $1,000,000. J. H. White, Three Rivers, engr.

BIDS DESIRED

Heating and Ventilating System—Dorchester (Boston P. O.), **Mass.**—Old Peoples Home, King, Queen and Train Sts., taking bids heating and ventilating system in present building. $25,000. Krokyn, Browne & Rosenstein, 220 Devonshire St., Boston, archts.

Heating, etc.—Ithaca, N. Y.—Jan. 26, by C. D. Bostwick, comptroller Cornell University, heating and sanitary work, under ground service connections, etc. for greenhouses, at Dept. Floriculture and Vegetable Gardening, at New York State College of Agriculture; adv. E. N.-R. Dec. 31.

Subway—Long Island City, N. Y.—Jan. 11, by Bd. Transportation, J. H. Delaney, chn., 49 Lafayette St., New York City, subway Sect. 6-E-1, Route 8, extending along and under Wyckoff Ave. from Halsey St. to Cooper Ave., here.

Swimming Pool, etc. — St. Louis, Mo. — See "Buildings—Educational, Religious."

BIDS RECEIVED

Heating and Ventilating System — Belmont (Boston P. O.), **Mass.**—Town, Bd. Selectmen, heating and ventilating system in new Junior High School, from R. B. Crocker, 107 Massachusetts Ave., Boston, $31,374.

Bathing Casino—Bradley Beach, N. J.—Bradley Beach Comrs., Dec. 15, pavilions, bath houses, etc., from A. D. Pierce Constr. Co., Bradley Beach, $129,975.

Boardwalk — Cape May, N. J. — P. A. Volcher, city mgr. City Hall, 3,300 lin.ft. timber boardwalk, 24 and 30 ft., from Kauffman Constr. Co., Phila., Pa., $39,906. Noted Nov. 26.

Subway—Stockton, Calif.—City Council, Dec. 14, Miner Ave. subway, from Lewis & Green, Commercial & Savings Bank Bldg., $98,533. Noted Dec. 3.

CONTRACTS AWARDED

Foundation — Bridgeport, Conn. — Mack Motor Co., 673 Connecticut Ave., foundation for brick and steel garage, Ash Creek, to W. R. Muirhead & Son, 948 Main St. Archts. total est. $150,000. Noted Oct. 22 under "Buildings—Commercial."

Cable — New York, N. Y. — New York State Bridge & Tunnel Comn., and New Jersey Interstate Bridge & Tunnel Comn., Woolworth Bldg., 3 conductor, lead covered cables in 2 tunnels and in ventilating buildings, to Standard Underground Cable Co., 50 Church St., $130,670. Noted Dec. 24.

Special Work—New York, N. Y.—Bd. Transportation, 49 Lafayette St., J. H. Delaney, chn., special work, (rails, frogs, switches, etc.), for constructing Corona Yard, to Bethlehem Steel Co., 25 Bway., $26,975. Noted Dec. 24.

Ventilating Buildings—New Jersey—New York State Bridge & Tunnel Comn., and New Jersey Interstate Bridge & Tunnel Comn., Woolworth Bldg., New York City, Dec. 15, two 5 story, ventilating buildings for Holland Tunnel, here, Contr. 4, to De Riso Bros., Inc., 415 Hackensack Plank Rd., West Hoboken, $1,577,000. Noted Dec. 24.

Substation — Baton Rouge, La. — Baton Rouge Electric Co., 329 Florida St., outdoor substation, distribution line, etc. at Government St. station, to Stone & Webster, Inc., 147 Milk St., Boston, Mass.

Grain Elevator—Enid, Okla.—Enid Terminal Elevator Co., (1st unit) grain elevator, approximately 540,000 bu. capacity, incl. offices, head house and 30 tanks, to Jones-Hettelseter Co., 706 Mutual Bldg., Kansas City, Mo., approximately $250,000.

Materials

BIDS DESIRED

Gasoline, etc.—New York, N. Y.—Jan. 5, by J. Miller, pres. Manhattan Boro, Municipal Bldg., 30,000 gal. gasoline, 4,000 tons inorganic dust, 20,000 cu.yd. asphalt sand, 700,000 gal. asphaltic cement, and 10,000 cu.yd. ¾ in. binder stone.

Road Material—Trenton, N. J.—Jan. 5, by Mercer Co. Freeholders, 50,000 gal. tar (cold patch) road repair material. A. Bray, dir. road repair. Noted Dec. 17.

Cables, etc.—Minneapolis, Minn.—Jan. 4, by F. S. Gram, city purch. agt., material for signal system, incl. approximately 30 mi. No. 10, 40% conductivity, rubber-insulated cable. N. W. Elsberg, city engr.

BIDS RECEIVED

Steel—New York, N. Y.—Bd. Transportation, 49 Lafayette St., J. H. Delaney, chn., Dec. 23, structural steel for portion of Rapid Transit R.R., from Phoenix Bridge Co., 132 Nassau St., **(a)** $501,840 **(b)** $451,080. Noted Dec. 17.

CONTRACTS AWARDED

Frames and Covers—Boston, Mass.—City Supply Dept., 260,000 lb. frames and covers for Pub. Wks. Dept., to E. L. LeBaron Fdy. Co., Brockton, $0.026 per lb. Noted Dec. 17.

Cement, etc. — Brooklyn, N. Y. — J. A. Guider, pres. Brooklyn Boro, Boro Hall, 5,000 bbl. Portland cement to M. M. Canda, 184 3rd St., $13,650; 300 tons paving pitch, to Barrett Co., 40 Rector St., New York City, $7,951; 2,000 cu.yd. paving and concrete sand, to T. E. McCormick, 810 Lincoln Rd., $2,250, and 2,000 cu.yd. paving and concrete sand, to Hygrade Builders Supply, 6th St. and 2nd Ave., $2,180. Grand total $26,031. Noted Dec. 17.

Broken Stone, etc.—Long Island City, N. Y.—M. E. Connolly, pres. Queens Boro, Queens Subway Bldg., 29,000 cu.yd. broken stone and 14,000 cu.yd. sand to Pease Bros., Inc., 15 Lawrence St., Flushing, $82,070 and $22,400 respectively; 1,600 tons asphalt cement, to Standard Oil Co., 26 Bway., New York City, $33,392; and 150,000 gal. fuel oil, to Warner Quinlan Corp., 79 Wall St., New York City, $8,505. Grand total $146,267. Noted Dec. 24.

Cement — Texarkana, Ark. — City clerk, 20,000 bbl. cement, to Timberlake Hardware Co., Texarkana, at $2.54 per bbl.

OFFICIAL PROPOSALS

Bids: Jan. 18.

Texas-Oklahoma F. A. P. 491 Job 243-G

WICHITA COUNTY

Wichita Falls, Texas.

Sealed proposals for the construction of Texas-Oklahoma Federal Aid Project 491, a reinforced concrete bridge over the Red River, between Burkburnett, Texas, and Randlett, Oklahoma, will be received until 10 o'clock a.m., January 18th, 1926, at the office of the County Auditor of Wichita County, Wichita Falls, Texas, and at the office of the State Highway Engineer, Capitol Building, Oklahoma City, Oklahoma. Bidders will be required to file duplicate bids at Wichita Falls, Texas, and Oklahoma City, Oklahoma. After bids are closed they will be publicly opened and read at each place.

APPROXIMATE QUANTITIES

Item	Quantities	Unit
Excavation (Unclassified)	361.5	C. Y.
Concrete Class "A" in girders and backwalls	1,261.62	C. Y.
Concrete Class "A" in caps	420.75	C. Y.
Concrete Class "A" in abutments.....	123.6	C. Y.
Concrete Class "D" in slabs and curb	1,847.28	C. Y.
Reinforcing steel 672,349.0		Lbs.
Expansion bearing plates.	22,360.0	Lbs.
Precast concrete piling...	16,550.0	L. Ft.
Concrete railing.....	6,069.5	L. Ft.
Jetty frame units	340	Each
Concrete anchors	49	Each

Plans may be examined and forms of proposals, contracts and specifications may be obtained at the office of the State Highway Engineer, Capitol Building, Oklahoma City, Oklahoma; the office of the State Highway Commission of Texas, Austin, Texas, and at the office of the County Engineer of Wichita County, Wichita Falls, Texas.

If bidders desire to purchase plans, they may be obtained from the County Engineer of Wichita County, Wichita Falls, Texas, upon payment of $3.00 to cover cost of printing and mailing.

Bids must be on proposal forms furnished by the Texas State Highway Department and the Oklahoma State Highway Department.

Bids filed at Wichita Falls, Texas, must be accompanied by a certified or cashier's check, upon a National Bank of Texas, in the amount of 3¾ per cent of the bid, made payable to E. P. Walsh, County Auditor of Wichita County, Texas. Duplicate bids filed at Oklahoma City, Oklahoma, must be accompanied by a certified or cashier's check upon a National Bank of Oklahoma, in the amount of 1¼ per cent of the bid, made payable to the State Highway Commission of Oklahoma.

The right is reserved to reject any or all bids.

E. P. WALSH,
County Auditor,
Wichita Falls, Texas.

Bids: Jan. 6.

Bridge

West Palm Beach, Fla.

Sealed bids will be received by the Board of County Commissioners of Palm Beach County, Florida, at the Clerk's Office, up to 10:00 a.m., Wednesday, January 6, 1926, for furnishing all material, labor, equipment and supplies necessary to construct: Over the Loxahatchee River, one forty-five (45) foot double-leaf bascule draw span and concrete approaches.

Plans and specifications will be on file in the office of the County Engineer, Third Floor, Court House, after December 18, 1925, and may be obtained upon a deposit of $5.00, which, will be refunded upon return of same in good order.

Each bid must be accompanied by a Certified Check in amount equal to Two (2) per cent of the Bid.

The Board reserves the right to reject any or all bids.

By order of the Board of County Commissioners, Palm Beach County, Florida.

JOS. E. BELL,
Chairman.

Attest:
FRED E. FENNO,
Clerk.

ALEX O. TAYLOR,
County Engineer.

OFFICIAL PROPOSALS

Bids: January 15.

Additions To Water Works System

Fort Lauderdale, Fla.

Sealed proposals for furnishing material and constructing additions to the Water Works System for the City of Fort Lauderdale, Florida, will be received by the Mayor and Board of Commissioners at the City Manager's Office until 2:00 p. m. on Jan. 15, 1926.

The additions will consist of approximately three miles of 6", 10", 12" and 16" cast iron pipe, with specials, valves and hydrants, including 580 feet of 16" flexible joint submerged pipe.

Each proposal must be accompanied by a certified check, payable to the City of Fort Lauderdale, Florida, to an amount equal to five (5) per cent of the bid, as a guarantee that the contract will be entered into if awarded. A bond in the full amount of the contract price will be required. Payments will be made on monthly estimates.

Plans and specifications are on file in the office of the City Manager, at Fort Lauderdale, Florida, and with Solomon & Keis, Consulting Engineers, City Building, Fort Lauderdale, Florida; 10 Plaza Building, County Road, Palm Beach, Florida; 1404 Candler Building, Atlanta, Georgia; and 257 Broadway, Troy, New York.

Bidders may obtain copies from the Engineers, by enclosing certified check for twenty-five dollars ($25.00), payable to the City of Fort Lauderdale. If blue prints are desired, they may be had at the cost of printing. If the plans, specifications and blue prints are returned within thirty days after opening bids, the check for twenty-five dollars will be returned.

B. J. HORNE,
City Manager.

SOLOMON & KEIS, Engineers.
Fort Lauderdale, Florida.

Bids: Jan. 5

Lock and Dam Construction

STATE OF ILLINOIS, DIVISION OF WATERWAYS
CONTRACT NO. 2

Springfield, Ill., Dec. 1, 1925.

1. Sealed proposals for the construction of STARVED ROCK LOCK AND DAM, located in the Illinois River, two miles above Utica, and seven miles below Ottawa, LaSalle County, Illinois, will be received at the office of the Director of the Department of Purchases and Construction, State House, Springfield, Illinois, until eleven (11) o'clock, a.m., Central Standard Time of the 5th day of January, 1926, and then publicly opened and read.

2. Copies of the plans, specifications, proposal blank, form of bond, and contract may be obtained by prospective bidders at the Office of the Department. Room 950 Transportation Building, Chicago, Illinois, upon depositing a check for Ten Dollars ($10.00), made payable to the Director of the Department of Purchases and Construction, which sum will be returned within ten (10) days after the contract has been awarded, only to bidders who submit bona fide bids if the plans are returned in good condition within that time.

The principal items of Contract No. 2 are 409,000 cubic yards of excavation, 98,200 cubic yards of concrete and 766,000 pounds of steel and iron work.

3. The State reserves the right to reject any or all bids. The contract, if let, will be awarded to the lowest responsible bidder.

LESLIE SMALL,
Director, Department of Purchases and Construction.

M. G. BARNES,
Chief Engineer,

WM. F. MULVIHILL,
Superintendent of Waterways.

Bids: Jan. 12.

Standpipe and Water Mains

Yorkville, Ohio.

The Village of Yorkville, Ohio, will receive sealed proposals until 12 o'clock noon, January 12th, 1926, for furnishing materials and constructing one 100,000 gallon standpipe and approximately 20,000 lineal feet of water mains in sizes of 4" to 12" inclusive.

Plans and specifications may be seen at the office of Raymond E. Herlien, Yorkville, Ohio, clerk, or S. Diescher & Sons, Farmers Bank Building, Pittsburgh, Pa., Engineers.

OFFICIAL PROPOSALS

Bids: Jan. 5

Waterway Construction

STATE OF ILLINOIS, DIVISION OF WATERWAYS
CONTRACT NO. 6

Springfield, Ill., Dec. 1, 1925.

1. Sealed proposals for the construction of BRANDON ROAD POOL, located in Joliet, Illinois, and vicinity, will be received at the office of the Department of Purchases and Construction, Division of Waterways, State House, Springfield, Illinois until nine-thirty (9:30) o'clock a.m., Central Standard Time, of the 5th day of January, 1926, and then publicly opened and read.

2. The principal items of the contract are 202,000 cubic yards of excavation and 160,000 cubic yards of concrete, together with 2,000,000 pounds of steel and iron.

3. Copies of plans, specifications and all official forms may be obtained at the office of the Department, Room 950, Transportation Building, Chicago, upon depositing a check for Ten Dollars ($10.00), made payable to the Director of the Department of Purchases and Construction, which sum will be returned only to bidders who submit bona fide bids for the work upon the return of plans and specifications.

4. The State reserves the right to reject any or all bids. The contract, if let, will be awarded to the lowest responsible bidder.

LESLIE SMALL,
Director, Department of Purchases and Construction.

M. G. BARNES,
Chief Engineer,

WM. F. MULVIHILL,
Superintendent of Waterways.

Bids: Jan. 7.

Roads and Bridges

Key West, Fla.

Sealed proposals will be received by the Board of County Commissioners for Monroe County, Florida, until 8 p.m., January 7th, 1926, at the Court House, Key West, Florida, and then and there publicly opened for the construction of roads and bridges, continuing the route of the Over Sea Highway along the Florida Keys. The work involved consists of native rocked, oil surfaced roads 16 feet in width along the Keys, together with the necessary clearing, etc., and the construction of four pile timber trestles across the openings. Detail plans and specifications may be obtained from the office of the County Engineer, Key West, Florida. A deposit of $5.00 will be required as a guarantee of their return, for each project as listed below:

Project No. 5, Upper Matecumbe to West End Key Largo, 11.5 Miles.

Project No. 7, Sugar Loaf Key to East End Ramrod Key, 7.5 Miles.

Project No. 8, Lower Matecumbe to Upper Matecumbe, 6.00 Miles.

Project No. 9, East End Ramrod Key to No Name Key, 7.5 Miles.

Project No. 10, Key Vacas to Grassy Key, 13.0 Miles.

The County of Monroe by its Board of County Commissioners reserves the right to accept or reject any or all bids and to waive any informality in the proposals.

Board of County Commissioners for Monroe County, Fla.

J. OTTO KIRCHHEINER,
Chairman.

Bids: Jan. 7.

Sewer Work

Fort Thomas, Ky.
December 19th, 1925.

Office of the City Engineer, City Building, Fort Thomas, Kentucky. Sealed bids will be received at this office until 12 o'clock noon on the 7th day of January, 1926, for furnishing materials and building complete approximately 53,000 feet of 6" to 15" sewer, together with appurtenances. Each bid must be accompanied by a certified check on a clearing house bank to the sum of $2,000.00.

Plans and specifications may be obtained at the office of the City Engineer, City Building, Fort Thomas, Kentucky. A charge of $5.00 will be made for plans and specifications, returnable in part. The City reserves the right to reject any or all bids.

ROLAND R. PYNE,
City Engineer.

WHITMAN, REQUARDT AND SMITH,
Consulting Engineers.

OFFICIAL PROPOSALS

Bids: Jan. 28.

Bridge

Goshen, Ind.

Notice is hereby given that the Board of County Commissioners of Elkhart County, Indiana, will receive sealed proposals for the construction of a reinforced concrete Arch Bridge over the Elkhart River at Pike Street, Goshen, Indiana.

Plans and specifications are adopted by the Board of County Commissioners are now on file in the Office of the County Auditor. Copies of the plans and specifications for the use of bidders may be had at the office of the County Auditor, Goshen, Indiana, or at the office of William S. Moore, 208 Union Trust Building, South Bend, Indiana.

All bids must be submitted on forms furnished by the County Auditor and must be on file in the office of the County Auditor on or before the 28th day of January, 1926, at 1:00 o'clock p.m.

In case any bidder should desire to submit a bid on his own plans and specifications, such plans and specifications must be filed with the County Auditor at least ten days before the day of receiving such bids. Also, in such event, said plans and specifications must be entire and complete and meet the approval of the Indiana State Highway Commission.

All bidders shall file a bond in the sum of not less than the full amount of the bid submitted.

The Board of County Commissioners reserve the right to reject any and all bids submitted.

Given by order of the Board of County Commissioners this 21st day of December, 1925.

CHAS. A. CROOP,
Auditor of Elkhart County, Indiana.

Bids: Jan. 28.

Bridge

Elkhart, Ind.

Notice is hereby given that the Board of County Commissioners of Elkhart County, Indiana, will receive sealed proposals for the construction of a reinforced concrete Arch Bridge over the St. Joseph River at Lexington Ave., Elkhart, Indiana.

Plans and specifications as adopted by the Board of County Commissioners are now on file in the Office of the County Auditor. Copies of the plans and specifications for the use of bidders may be had at the office of the County Auditor, Goshen, Indiana, or at the office of William S. Moore, 208 Union Trust Building, South Bend, Indiana.

All bids must be submitted on forms furnished by the County Auditor and must be on file in the office of the County Auditor on or before the 28th day of January, 1926, at 1:00 o'clock p.m.

In case any bidder should desire to submit a bid on his own plans and specifications, such plans and specifications must be filed with the County Auditor at least ten days before the day of receiving such bids. Also, in such event, said plans and specifications must be entire and complete and meet the approval of the Indiana State Highway Commission.

All bidders shall file a bond in the sum of not less than the full amount of the bid submitted.

The Board of County Commissioners reserve the right to reject any and all bids submitted.

Given by order of the Board of County Commissioners this 21st day of December, 1925.

CHAS. A. CROOP,
Auditor of Elkhart County, Indiana.

Bids: Jan. 26.

Heating and Sanitary Work

Ithaca, N. Y.

Sealed proposals for Heating and Sanitary Work, Underground Service Connections, Greenhouses for Departments of Floriculture and Vegetable Gardening, New York State College of Agriculture, Cornell University, Ithaca, N. Y., will be received by Mr. C. D. Bostwick, Comptroller, Cornell University, Ithaca, N. Y., until 11 o'clock a.m., on Tuesday, Jan. 26th, 1926, when they will be publicly opened and read. Proposals shall be enclosed in an envelope furnished by the State Architect, sealed and addressed, and shall be accompanied by a deposit as a guarantee that bidder will enter into the contract if awarded same. Deposit shall consist of a certified check drawn upon some legally incorporated bank in this State and made payable to the State of New York or money equal to 5% of the amount of proposal. The contractors to whom the awards are made will be required to furnish surety company bond in the sum of fifty per cent (50%) of the amount of contract within thirty days after official notice of award of contract and in accordance with the terms of Specifications Nos. 4554 and 4555. The right is reserved to reject any or all bids. Drawings and specifications may be examined at Cornell University, Ithaca, N. Y., at the New York Office of the Department of Architecture, 18th floor, Fuller Building, Broadway & 23rd St.; and at the Department of Architecture, Capitol, Albany, N. Y. Drawings, specifications and blank forms of proposal may be obtained by persons or firms engaged in the line of work required at the discretion of the Architect from the Department of Architecture, Capitol, Albany, N. Y.

Dated: December 26th, 1925.

Bids: Jan. 27.

Indian River Fill Construction

Fort Pierce, Fla.

Sealed proposals for the following fill, sea-wall, bulk-heads, sewer extensions and other appurtenances, will be received by the City Auditor-Clerk for the City of Fort Pierce, Florida, until 12 o'clock noon, January 27th, 1926, and will at that time be publicly opened and read at a meeting of the City Commission, at the City Hall, viz.:

3,310 lin.ft. reinforced concrete bulkhead.
4,170 lin.ft. untreated timber pile bulkhead.
1,401,000 cu.yds. dredging.
1,400 lin.ft. 24" sanitary sewer in place.
2,000 lin.ft. 15" sanitary sewer in place.

Plans, specifications, proposal forms may be obtained from the office of the City Engineer, Fort Pierce, Florida, upon the deposit of five dollars ($5.00) which amount will be refunded to bona fide bidders upon receipt of plans and specifications in good condition.

Bids on alternate designs will be considered; also bids on individual items.

This contract subject to the approval and revision of U. S. War Department.

The City Commission reserves the right to reject any and all bids.

The proposals will be marked "Sealed proposal for Indian River Fill Improvement" and addressed to:

CHARLES C. BURRY,
Auditor-Clerk.

By order of the City Commission this the 9th day of December, 1925.

W. AUSTIN SMITH,
Manager,
City of Fort Pierce, Florida.

Bids: Jan. 18.

Gillespie Dam Highway Bridge

Phoenix, Ariz.

Sealed bids marked upon outside of envelope "State Highway Contract, Federal Aid Project No. 64-B," and addressed to W. C. Lefebvre, State Engineer, Phoenix, Arizona, will be received and opened at 2 p.m., January 18, 1926, at the office of the State Engineer, Phoenix, Arizona, on the Gillespie Dam Highway Bridge, Federal Aid Project No. 64-B, Schedule "B."

The work consists of approximately:
5,600 Cu.Yds. Structural Excavation.
4,000 Cu.Yds. Concrete.
180,000 Lbs. Reinforcing Steel.
Four 160 ft. Steel Spans.
Five 200 ft. Steel Spans.
360 Cu.Yds. Backfill.
and other incidental items.

All bids shall be accompanied by an unendorsed, certified or cashier's check for 5% of the gross amount of the bid, payable to the State Treasurer of Arizona.

The State Engineer reserves the right to reject any and all bids.

Copies of the plans and specifications may be seen at the office of the State Engineer, or may be obtained upon payment of Five ($5.00) Dollars to W. C. Lefebvre, State Engineer.

Satisfactory bonds will be required of the contractor to whom the award is made.

All proposals shall be made on blanks furnished for that purpose.

W. C. LEFEBVRE,
State Engineer.

Phoenix, Arizona,
December 11, 1925.

Bids: Jan. 26.

West Side Intercepting Sewers and Appurtenances Divisions E, F, G, H and I

THE SPRINGFIELD SANITARY DISTRICT, SPRINGFIELD, ILLINOIS

Springfield, Ill.

Sealed proposals endorsed "Proposal for Intercepting Sewers and Appurtenances, Division E, F, G, H and I" will be received by the Board of Trustees of the Springfield Sanitary District, Springfield, Illinois, at its office in the City Hall, Springfield, Illinois, until 10:30 o'clock a.m. on the twenty-sixth day of January, 1926, and will be then publicly opened and read.

The work for which proposals are invited will be paid for in cash and includes the following divisions:

Division E: North Section: This division includes about 9,000 feet of intercepting sewer, 66 and 69 inches in diameter, of which about 5,650 feet will be in open cut; 650 feet in fill; 600 feet in tunnel and about 2,100 feet on trestle; together with intercepting chambers, connecting sewers and appurtenances.

Division F: Tunnel Section: This division includes about 7,700 feet of intercepting sewer, 57 inches in diameter, of which about 3,300 feet will be in tunnel and about 4,400 feet in open cut, together with connections to the Bond Street Sewer, the Patten Avenue Sewers, and the Town Branch Sewer.

Division G: Jacksonville Branch Section: This division includes about 34,400 feet of intercepting sewer, 15 to 39 inches in diameter, together with Town Branch syphon, and connections to the Oakridge sewer, the Amos Branch sewer, the Oak Knolls sewer, the Country Club sewer, and several other small existing sewers.

Division H: This division includes the construction of the Walnut Street Sewage Pumping Station and the erection of the pumping equipment.

Division I: This division includes five electric motor driven vertical centrifugal pumps, having an aggregate capacity of 26 million gallons per 24 hours.

The work is in open cut and tunnel, including wet and dry excavation, the making of embankment, backfilling, disposal of surplus excavation and the placing of concrete, brick work, iron castings, sheeting, bracing and other material as specified.

The work is located partly in the City of Springfield and in Sangamon County, Illinois.

Each proposal shall contain the full name of every person or company interested in the same and shall be accompanied by cash or a check made payable to the Treasurer of The Springfield Sanitary District, certified by a responsible bank, in the following amounts:

Division E	$7,000.00
Division F	7,000.00
Division G	7,000.00
Division H	3,000.00
Division I	2,000.00
Any two divisions	10,000.00
Any three divisions	14,000.00
Four or more divisions	18,000.00

These sums are guarantees that if a proposal is accepted, a contract will be entered into and its performance properly secured. Bids will be received on any division or combination of complete divisions, but not on a part of one division.

All proposals must be made upon blank forms furnished by The Springfield Sanitary District and in accordance with the "Requirements for Bidding and Instructions to Bidders" attached hereto.

The Board of Trustees of the Springfield Sanitary District reserves the right to reject any or all bids, waive or not waive any informality in the bids received and to accept any bid or divisions which it deems most favorable to the Springfield Sanitary District.

Requirements for bidding, instructions to bidders, form of proposal, contract, specifications, form of bond and plans may be obtained from the Springfield Sanitary District, City Hall, Springfield, Illinois, or at the office of Pearse, Greeley and Hansen, 6 North Michigan Avenue, Chicago, Illinois, upon deposit of TWENTY-FIVE DOLLARS ($25.00), which sum so deposited will be refunded if said plans, specifications, etc., are returned in good condition within thirty (30) days after the opening of bids.

Dated this twenty-fourth day of December, 1925.

THE SPRINGFIELD SANITARY DISTRICT
By SIDNEY S. BREESE,
President, Board of Trustees.

OFFICIAL PROPOSALS

Bids: Jan. 26.

Sanitary Sewers

Montgomery, Ala., December 21, 1925.

Sealed proposals will be received by the Treasurer of the City of Montgomery, Alabama, until 11:00 a.m., Tuesday, January 26th, 1926, at his office in the City Hall, Montgomery, Alabama, for furnishing all materials and constructing the Southern Outfall Sanitary Sewer Lines, the principal items of work being:

17,600 Lineal Feet 24" Double Strength Terra Cotta Pipe.
2,700 Lineal Feet 15" Triple Strength Terra Cotta Pipe.
2,300 Lineal Feet 15" Double Strength Terra Cotta Pipe.
2,800 Lineal Feet 12" Double Strength Terra Cotta Pipe.
3,000 Lineal Feet 10" Standard Terra Cotta Pipe.
5,000 Lineal Feet 8" Standard Terra Cotta Pipe.
95 Standard Manholes.
100 Cubic Yards Class "A" Concrete.

And all other work in connection therewith.

ALTERNATE BID

17,600 Lineal Feet 24" Bell and Spigot Type Concrete Pipe.
5,000 Lineal Feet 15" Bell and Spigot Type Concrete Pipe.
2,800 Lineal Feet 12" Bell and Spigot Type Concrete Pipe.
3,000 Lineal Feet 10" Bell and Spigot Type Concrete Pipe.
5,000 Lineal Feet 8" Bell and Spigot Type Concrete Pipe.

All work must be done in accordance with plans, profiles, and specifications on file in the office of the City Engineer, J. M. Garrett, to whom all communications should be addressed. Plans and specifications will be furnished upon receipt of $5.00 to cover cost of same.

A certified check or bidder's bond for Two Thousand Dollars must accompany each bid.

The City reserves the right to reject any or all bids.

J. L. COBBS,
City Treasurer.

Bids: Jan. 12.

River and Creek Drainage

DEPARTMENT OF PUBLIC WORKS
Buffalo, N. Y., Dec. 17, 1925.

Sealed proposals for work and supplies as set forth below, will be received at the office of this Department, Room 5, Municipal Building, until 11 o'clock a.m., Jan. 12, 1926.

No proposal will be considered unless it be accompanied by a certified check, payable to the order of the Department of Public Works, in the amount specified in specifications or by a bond conforming to law; such bonds to be fifty per cent of the sum named in the proposal.

Plans and specifications and estimate of quantities can be seen, and printed forms of proposals, and any desired information, can be had on application at the Bureau of Engineering on and after this date.

This Department reserves the right to reject any and all bids, and waive any informalities.

A separate proposal must be made for the work and supplies included in each descriptive paragraph following:

For the completion of Section No. 4 of the Buffalo River and Cazenovia Creek Improvement from about 700 feet west of Cazenovia street to about the west street line of Cazenovia street.

The important quantities are:

Earth excavation ..... 4,300 Cu.Yds.
Rock excavation..... about 15,500 Cu.Yds.
Concrete, reinforced... about 4,250 Cu.Yds.
Steel reinforcement.... about 65 Tons
Stone rip-rap ..... about 2,000 Sq.Yds.
Pipe railing ..... about 1,200 Feet

Formal advertisement will appear in the Buffalo *Post*, Buffalo *City Record*, Buffalo *Courier* and Buffalo *Times* of Dec. 28, 29, 1925, and Jan. 4 and 5, 1926.

OFFICIAL PROPOSALS

Bids: Jan. 28.

Sewage Treatment Plant

Akron, Ohio.

Sealed proposals will be received at the office of the Director of Public Service, Municipal Building, Akron, Ohio, until 12 o'clock noon, Central Standard Time, of January 28th, 1926, on Contracts Nos. 1 to 9, inclusive, calling for the construction of a Sewage Treatment Plant and the Furnishing and Installation of Equipment, all complete.

The treatment plant, in the main units, comprises Detritus Tanks, Imhoff Tanks, Trickling Filters, Humus Tanks, Sludge Drying Beds, Conduits, Buildings and Appurtenances, the several contracts being designated as follows:

1 Construction of a Sewage Treatment Plant and the Installation of Equipment.
2 Fine Screens.
3 Sewage Meters.
4 Clarifier Mechanisms.
5 Valves.
6 Sluice Gates.
7 Centrifugal Pumps.
8 Filtering Material.
9 Cast Iron Pipe and Fittings.

Plans, specifications and blank proposals can be obtained at the office of the Chief Clerk of the Department of Public Service, Delaware Building, Akron, Ohio.

A deposit of $50.00 will be required for complete plans and specifications for work embraced under Contract 1. A deposit of $10.00 will be required for the specifications and blue prints required for Contract 2 to 9, inclusive. The deposit will be refunded if a proposal is submitted and the plans returned in good condition within ten days after the date the proposals are received.

Each proposal must contain the full name of the party or parties submitting the same and all persons interested therein and must be accompanied by a certified check payable to the "Director of Finance—City of Akron" in an amount equal to 4% of the proposal submitted and on a solvent bank in the City of Akron, Ohio.

Proposals must be submitted on the printed forms as none other will be accepted.

The Director of Public Service reserves the right to reject any or all proposals.

W. F. PETERS,
Director of Public Service.

U. S. Government

U. S. ENGINEER OFFICE, Box 72, Louisville, Ky.—Sealed proposals will be received here until 2 p.m., central time, Jan. 19, 1926, and then opened, for furnishing and delivering two steel dump scows. Further information on application.

The business of excusing our mistakes does not pay the bill. Next time consult Swart on Contract Bonds and Compensation Insurance and really get what you pay for.

HARMON V. SWART
Insurance Advisor — Rate Specialist
92 William St., New York City

EXCAVATION

Steam Shovels for rent with crews or work taken by contract.

Dinkeys and cars or teams furnished.

H. C. AMBLER
3717 Old York Road, Philadelphia, Pa.

OFFICIAL PROPOSALS

Bids: Jan. 19.

Construction of Retaining Walls

Cedar Rapids, Iowa.

Sealed proposals will be received by the City Council of the City of Cedar Rapids, Iowa, at the office of the City Clerk in the City Hall until 10 o'clock a.m., on the 19th day of January, 1926, for the following described improvement as per plans, specifications and form of Contract now on file in the office of the City Clerk of Cedar Rapids, Iowa.

For the construction of reinforced concrete retaining walls along the channel lines of the island to the First Avenue Bridge, Cedar Rapids, Iowa. Bids will be opened publicly at the above time and date at the Council Chamber.

Payment for the work will be made in cash upon monthly estimates of the City Engineer, and the final fifteen per cent thirty days after completion and acceptance.

Copies of plans and specifications may be obtained at the office of the City Engineer, Cedar Rapids, Iowa, upon deposit of Twenty ($20.00) Dollars, Fifteen ($15.00) Dollars of which will be refunded to applicant when plans and specifications are returned in good condition.

J. F. RALL,
Mayor.

Attest:
L. J. STOREY,
City Clerk.

Note: Plans show about 800 linear feet of walls with a maximum height of about 30 feet.

U. S. Government

SEALED PROPOSALS, marked "Proposal for Construction of Buildings and Utilities, Fort Snelling, Minnesota," will be received by the U. S. Veterans' Bureau, Room 791, Arlington Building, Washington, D. C., until 11 A.M., January 26, 1926, and then and there publicly opened for the construction complete of Infirmary Building, Regional Office Building, Neuro-Psychiatric Building, Recreation Building, three Semi-Ambulant Buildings, Gate House, Attendants' Quarters, Nurses' Quarters, M.O.C. Quarters, three Duplex Officers' Quarters, Laundry Building, Boiler and Storehouse Building, Garage, Covered Walks, Meter House, W. I. Gates, Brick Chimney, also roads, walks and drainage to be built at U. S. Veterans' Hospital, Fort Snelling, Minnesota. This work will include reinforced concrete construction, hollow tile, brickwork, cut stone work, marble work, tile floors and wainscoats, ironwork, steel sash, slate and metal roofing, roof ventilators, metal lathing, plastering, carpentry, metal weather strips, insect screens, dumbwaiters, hardware, painting, glazing, plumbing, heating and electrical work, electric elevators, refrigerating plant and outside service connections. Separate proposals will be received for Building Construction, Plumbing, Heating, Electrical Work, Elevators, Ice-making and Refrigerating Plant, and Brick Chimney, all as set forth on proposal sheet. Proposals will be considered only from individuals, firms or corporations possessing satisfactory financial and technical ability, equipment and organization to insure speedy completion of the contract and in making awards, the records of bidders for expedition and satisfactory performance on contracts of similar character and magnitude will be carefully considered. At the discretion of the Director, drawings and specifications may be obtained upon application to the Construction Division, Room 791, Arlington Building, Washington, D. C. Deposit with application of a check or postal money order for $100.00 payable to the TREASURER OF THE UNITED STATES is required as security for safe returne of the drawings and specifications within ten days after date of opening proposals. (Signed) FRANK T. HINES, Director. December 15, 1925.

ÆTNA-IZE

CONTRACT BONDS FOR RESPONSIBLE CONTRACTORS

Treat your bonding company as you do your banker; both help you with the CREDIT you require.

ÆTNA CASUALTY AND SURETY COMPANY

HARTFORD, CONN. AGENTS EVERYWHERE

U. S. Government

U. S. ENGINEER OFFICE, P. O. Box 72, Louisville, Ky. Sealed proposals will be received here until 2 p. m., central time, January 22, 1926, and then opened, for furnishing and delivering approximately 1180 tons of Hydrated Lime. Further information on application.

TREASURY DEPARTMENT, Office of the Supervising Architect, Washington, D. C., December 24, 1925. Sealed proposals will be opened in this office at 3 p.m., January 5, 1926, for construction of a creosoted pile wharf and gangway for the United States Quarantine Station (Sand Island), Mobile, Ala. Drawings and specifications may be obtained from the Custodian of the Custom House at Mobile, Alabama, or at this office in the discretion of the Supervising Architect. Jas. A. Wetmore, Acting Supervising Architect.

U. S. Government

U. S. ENGINEER OFFICE, P. O. Box 72, Louisville, Ky. Sealed proposals will be received here until 2 p.m., Central Time, February 1, 1926, and then opened, for constructing Sections A and B of Dam 41, Ohio River, at Louisville, Ky. Further information on application.

OFFICE OF EXECUTIVE OFFICER, ARLINGTON MEMORIAL BRIDGE COMMISSION, Washington, D. C. Sealed proposals will be received at this office until 11:00 a.m., January 7, 1926, and then opened, in Room 1613, Navy Building, for constructing piers and abutments of the Arlington Memorial Bridge across the Potomac River, at Washington, D. C. Further information upon application.

U. S. Government

SEALED PROPOSALS will be opened by the Supt. of Lighthouses, Milwaukee, Wis., 11 a.m., Jan. 19, 1926, for fabricated steel for one steel plate tower, for use at Milwaukee (Wis.) North Breakwater. Information on application.

PROPOSALS—The Navy Department's advertisement of November 11, 1925, inviting proposals for constructing Scout Cruiser Nov. 25 and for furnishing boilers and auxiliaries for Scout Cruiser No. 24 and for furnishing main turbines and gears for Scout Cruisers Nos. 24 and 25 is hereby modified so that such proposals will be opened Monday at 12 o'clock noon, March 1, 1926, instead of, as stated in said advertisement, on the 19th of January, 1926. CURTIS D. WILBUR, Secretary of the Navy, December 17, 1925.

POSITIONS VACANT

DRAFTSMEN—Experienced in shop drawings for structural steel. Apply by mail only, giving age, nationality, education, experience and salary expected. Post & McCord, 101 Park Avenue, New York.

DRAFTSMEN, experienced checkers wanted for buildings and bridges. State age, salary, experience and earliest date available. Permanent position for good men. The Mt. Vernon Bridge Co., Mt. Vernon, Ohio.

DRAFTSMEN, detailers and checkers on shop details for structural steel. McClintic-Marshall Construction Co., Morava Works, 85th and Stewart Ave., Chicago, Illinois.

DRAFTSMEN experienced in detailing and checking structural steel work. Excellent opportunity. Positions permanent. Only experienced men need apply. Write fully St. Louis Structural Steel Company, St. Louis, Mo.

POSITIONS VACANT

ENGINEER draftsman wanted by sales organization in the South. Man under thirty with experience in detailing reinforced concrete and structural steel and a thorough ability to read and interpret plans. Opportunity to become engineering salesman. State references, experience, salary and when available. P-647, Engineering News-Record, Leader-News Bldg., Cleveland, Ohio.

ESTIMATOR wanted. College graduate in engineering. Man experienced in estimating and construction of oil refineries and gas plants preferred. Position with large construction company. Opportunity for advancement offered. State age, education, experience, salary, and give references. P-571, Engineering News-Record, Tenth Ave. at 36th St., New York.

ESTIMATOR experienced in all classes of building construction for permanent position with construction firm in central part of New York State. State age, experience, education, reference, salary expected and when available. P-648, Engineering News-Record, Tenth Ave. at 36th St., New York.

POSITIONS VACANT

EXPERT map and engineering draftsmen wanted immediately for permanent work in South Florida. Prefer single men who are technical graduates. Specialty, subdivisions in sectionized state. If qualified, send samples and complete record of education and experience; also, date available. Salary $215 to start. P-628, Engineering News-Record, Real Estate Trust Bldg., Philadelphia, Pa.

FIELD engineers wanted immediately for permanent work in South Florida. Must be single men with technical education; willing to start at nominal salary as instrumentmen, until acclimated. Specialty, subdivisions in sectionized state; large firm, good opportunity for advancement to right men. If qualified, send complete record of education and experience; also date available. Address P. O. Box 3245, West Palm Beach, Fla.

GRADUATE engineer, capable of laying out, organizing and supervising construction of large reinforced concrete stadium in the South. State references, experience and salary expected. Chance for permanent position to right party. P-639, Engineering News-Record, 7 So. Dearborn St., Chicago, Ill.

MALE help wanted. Large concrete products manufacturer desires services of high-class, competent superintendent. Must have ability to handle men. P-590, Engineering News-Record, 7 So. Dearborn St., Chicago, Ill.

QUANTITY surveyor wanted: General contract and steel. Write, giving full experience, qualifications and references. Master Builders' Assn., of Kansas, 710-712 Bitting Bldg., Wichita, Kansas.

REINFORCED concrete designer, detailer and estimator wanted in middle west. Permanent position. Water works experience required. Also water works draftsmen capable of making well-lettered general distribution plans of some detail. State details of age, experience, family, education, salary expected and references. Submit samples of drawing with first letter. All replies treated confidentially except as to references. Letters of unsuccessful candidates will be returned if requested. P-635, Engineering News-Record, Leader-News Bldg., Cleveland, Ohio.

SEVERAL checkers and detailers on structural details of buildings and bridge work. Only fast and accurate men with wide experience need apply. Good wages with plenty of overtime. Permanent position for good men. Summer Engineering Company, 200 6th Ave., Pittsburgh, Pa.

Asphalt Paving Supt.

Must have thorough knowledge of all types of asphalt paving and machinery. Capable of handling several plants and street outfits. Good opportunity. State experience, salary.

P-640, Engineering News-Record
Leader-News Bldg., Cleveland, Ohio

And Now

WILSON COURSES
Structural Engineering.
Reinforced Concrete Engineering.
Structural Steel Designing.
Structural Drafting.
Concrete Drafting
Concrete Railway Structures.
Railway Bridge Engineering.
Concrete Highway Structures.
Highway Bridge Engineering.
Preparatory Course.

Two Famous WILSON Courses for Progressive Railway Engineers

More and more the development of reinforced concrete construction for railway structures is demanding specialized knowledge and training on the part of railway engineers engaged in this branch of work. That is why, today, the big percentage of students in our general courses in *Structural Engineering* and *Bridge Engineering* are railway engineers. They are taking advantage of the opportunity these courses offer for keeping abreast of the changing requirements of their jobs.

Anticipating the desires of many thousands of other railway engineers for a more thorough training and a wider experience in modern railway structures, we have arranged two special courses—

Concrete Railway Structures
and
Railway Bridge Engineering
(By Mail)

requiring less time to complete but which are equally as thorough in the work covered as our broader courses. Like all other famous WILSON courses, *Concrete Railway Structures* and *Railway Bridge Engineering* are designed to train students to DO THE WORK as railroads want it done. There are no tedious discussions of intricate theory—just work that leads straight to competency. This is not textbook reading, but actual work under the direction of competent engineers who have had years of experience in the fields covered.

Write for Literature

14th Year

WILSON ENGINEERING CORPORATION
College House Offices, Harvard Square, Cambridge, Mass.

POSITIONS VACANT

(Continued from preceding page)

SEVERAL first-class structural detailers wanted. Apply to The Owego Bridge & Iron Co., Owego, N. Y.

STRUCTURAL steel draftsman detailer and checkers on office building work. Six months' work. Only experienced men need apply. State experience fully in first letter. J. H. Heuser, 53 W. Jackson Blvd., Chicago, Illinois.

STRUCTURAL draftsman, Cincinnati District, $250 per month for first-class man. Give full details in first letter. P-622, Engineering News-Record, Leader-News Bldg., Cleveland, Ohio.

STRUCTURAL detailers and checkers for general building work. Permanent positions at satisfactory rates for thoroughly competent men. Only men with extensive experience on shop drawings will be considered. Detroit Steel & Conveyor Co., 8602 Mount Elliott, Detroit, Mich.

STRUCTURAL steel detailers and designers wanted, with from one to three years' experience on mill building work. Permanent positons and chances for advancement for men who can make good. Location Northeastern Ohio. Apply by letter stating age, education, experience in detail, married or single, salary required and earliest date to report if employed. P-593, Engineering News-Record, Leader-News Bldg., Cleveland, Ohio.

STRUCTURAL steel draftsmen wanted: Three or four first-class detailers, who are looking for permanent positions. None but experienced men need apply. Work offers excellent opportunity for experience and advancement to those who can produce. Write P-610, Engineering News-Record, Tenth Ave. at 36th St., New York.

STRUCTURAL steel draftsman, detailer and checker on building work. Only experienced man need apply. P-632, Engineering News-Record, 7 So. Dearborn St., Chicago, Ill.

WANTED a first-class all-around office man, who is familiar and has had practical experience in a steel and ornamental factory office. Must be capable and understand the business. Address P. O. Box 1151, Jacksonville, Fla.

WANTED bridge draftsmen designers and tracers. Submit sample of work, personal snapshot and record. State salary requested and time needed to report. C. A. Melick, Bridge Engineer, State Highway Dept., Lansing, Mich.

WANTED two experienced engineers in general land surveying, must be capable of taking charge of party in field, good computers and draftsmen. Salary $200 month. Apply to H. F. Bishop, Westhampton Beach, N. Y.

WELL-known New York building firm operating in Florida, has unusual opening for general superintendent to handle Florida operations. Wide experience in all kinds of construction required, particularly reinforced concrete and must be good executive. Salary $125 per week. No application will be considered which does not state in first letter full particulars regarding experience, giving names of firms by whom employed. P-636, Engineering News-Record, Tenth Ave. at 36th St., New York.

Learn Estimating and Construction Management

through practical spare time study course. Full particulars sent upon request.

TYREAN INSTITUTE
15 E. Grove St., Palmer, Mass.

WATER-POWER

Home Study South Bend Ind. Box 977

POSITIONS VACANT

YOUNG structural engineer wanted, with experience in structural detailing, bright, ambitious, hard worker, pleasant personality, to detail, estimate, design and sell structural steelwork for fabricating concern. Moderate salary to start, with wonderful future and bonus if satisfactory. State age, education, experience, references, salary, and also send sample of detailing. P-629, Engineering News-Record, Real Estate Trust Bldg., Philadelphia, Pa.

EMPLOYMENT SERVICE

EXECUTIVES, engineers, find our individual, confidential service effective in making new connections. Personally conducted by Mr. Jacob Penn, the eminent employment authority, known to leading business men throughout America. Refund agreement protects you. Not agency. Jacob Penn, Incorporated, 305 Broadway, New York.

SALARIED men seeking tentative offers of new connections, are invited to communicate confidentially with the undersigned, who will negotiate overtures without jeopardy to present connections. A professional, ethical service, restricted to high grade positions; established 1910. Retaining fee refunded as provided in our "Refund Contract" if service is not satisfactorily rendered as per contract, and such refund be requested within three months from date remitted. Send name and address only for particulars. R. W. Bixby, Inc., 268 Main St. (Suite 701), Buffalo, N. Y.

EMPLOYMENT AGENCIES

CONSULTING employment experts in technical work (engineering, drafting, construction, etc.), continuously for over 32 years. Our confidential service covers the entire country. No advance charge of any kind. The Engineering Agency, Inc., 53 W. Jackson Boulevard, Chicago, Ill.

GENERAL Engineering Agency, Emich Bldg., Pittsburgh, Pa., require for Eastern, Southern, Middle Western proposals; bridge, structural designers checkers, detailers, 30 required. Reinforced concrete, architectural draftsmen, railway draftsmen, oil refineries, hydraulic works, townsites, hotels, apartments, industrial and public works construction. Railway instrumentmen, land and mine surveyors, Latin-American engineer-foreman plantation developments. Plant engineers, design and maintenance. New York City openings for fifteen draftsmen.

POSITIONS WANTED

Civil Engineers

CIVIL engineer, graduate from Chinese and American universities and having several years of American engineering experiences wants position with American engineering and contracting concerns in China. PW-556, Engineering News-Record, Leader-News Bldg., Cleveland, Ohio.

CIVIL engineer, graduate, 28 years, single; 8 months harbor and building construction, 6 months power-station construction, 3 years powerstudies, streamflowstudies, layout, estimates, design, specifications for hydro-electric projects. Languages—English, French, German, Dutch. Seeks permanent position, location immaterial. Now employed, earning $300. Available on short notice. PW-536, Engineering News-Record, Tenth Ave. at 36th St., New York.

CIVIL ENGINEER, age 43, experienced steel plant, hydro-electric, general construction and realty developments. Can design in office, execute in field and handle men. Industrious and reliable. PW-601, Engineering News-Record, Leader News Bldg., Cleveland, Ohio.

GRADUATE civil engineer wants permanent position; opportunity for advancement more important than salary. Experience in railroad maintenance of way and coal mine surveying. PW-583, Engineering News-Record, Real Estate Trust Bldg., Philadelphia, Pa.

POSITIONS WANTED

YOUNG man, 25, anxious to break into civil engineering, keen, ambitious and trustworthy, with no encumbrances willing to go anywhere. Anxious to learn thoroughly bridge and dam engineering. Slight knowledge of drafting. Trial asked. Dickens, Box 870, Ingersoll, Ontario, Canada.

YOUNG civil engineer, university graduate five years' varied experience, chiefly highways. Desirous of permanent connection with engineering or contracting firm. PW-580, Engineering News-Record, 7 So. Dearborn St., Chicago, Ill.

Bridge and Structural

CONSTRUCTION and designing engineer, technical education, 25 years' experience on bridges, buildings, piers, wharves, coal tipples, drawspans, railway structures, superstructures, foundations, timber, steel, concrete. Can handle men. PW-643, Engineering News-Record, Tenth Ave. at 36th St., New York.

STRUCTURAL engineer, university graduate. Registered in state of Pennsylvania, thirty-five years of age, married. Nine years' experience designing, estimating, checking and detailing structural steel, ornamental iron and reinforced concrete for buildings and bridges and two years' experience in field on building work, desires executive position, fitted for chief engineer of plant handling structural steel and ornamental iron or as contractor's or architect's engineer. PW-540, Engineering News-Record, Real Estate Trust Bldg., Philadelphia, Pa.

Drafting and Designing

STRUCTURAL designer and draftsman in structural steel and reinforced concrete, 6 years' experience on design and detail of buildings, including specifications. PW-533, Engineering News-Record, Real Estate Trust Building, Philadelphia, Pa.

Superintendents

CONSTRUCTION engineer or assistant superintendent on construction. College graduate, 35, single, Mem. Amer. Soc. Engrs. Eleven years' varied experience on railroad construction, drainage, and irrigation, roads and bridges, and heavy sewer construction. Speak Spanish. Desire connection with reliable firm. PW-645, Engineering News-Record, Real Estate Trust Bldg., Phila., Pa.

CONSTRUCTION superintendent, age 48; eighteen years' experience. Accustomed to handling large organizations. Available at once, go anywhere. PW-637, Engineering News-Record, Tenth Ave. at 36th St., New York.

DREDGING superintendent, twenty years' experience, hydraulic and dipper dredges, large contracts. Highest reference. Available immediately. PW-634, Engineering News-Record, Tenth Ave. at 36th St., New York.

Miscellaneous

ADVERTISING engineer and sales-promotion man. Five years' engineering experience. Age 27. Available immediately. PW-641, Engineering News-Record, Tenth Ave. at 36th St., New York.

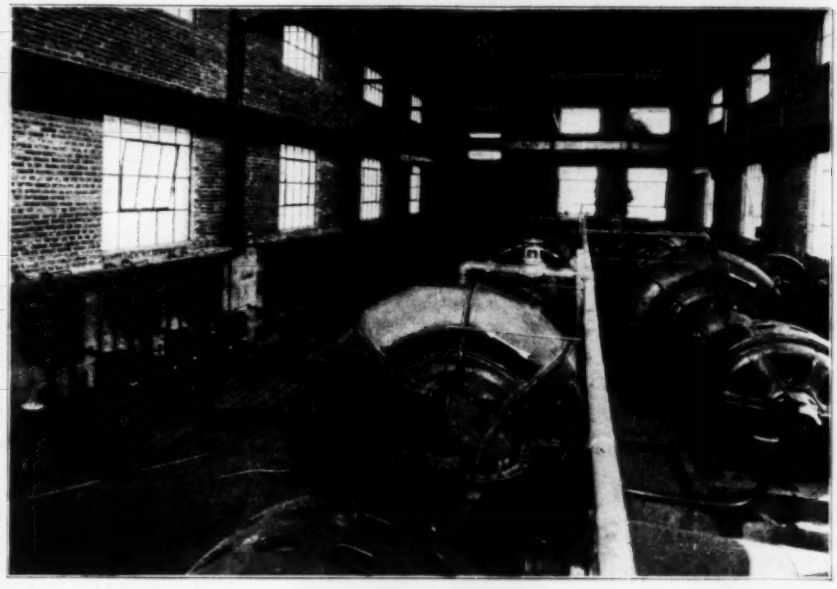
AVAILABLE as chief or assistant chief engineer with architectural, engineering or contracting engineers. Advertiser is graduate engineer, qualified by twenty years' experience in the plan, design, specifications, contracts, subcontracts, purchasing, business, office management and general supervision of construction, and consulting engineer on difficult and interesting projects. Desires permanent connection, with advancement as earned. Ready to go where wanted and work hard. Please make offer in letter stating kind of work and duties. PW-646, Engineering News-Record, Leader-News Bldg., Cleveland, Ohio.

AVAILABLE

Estimator and General Superintendent for General Contractor, 12 years' experience in charge of work and estimating on buildings, docks, reservoirs, power houses and filter plants. Capable taking charge of office or in field and producing results. Location immaterial.

PW-640, Engineering News-Record
7 South Dearborn St., Chicago, Ill.

AMERICAN
AURORA, ILL.



"American" 42-Inch Centrifugal Pumps on the Fairfax Drainage Job

FIVE forty-two inch and one twenty-four inch double suction, "American" centrifugal pumps have recently been installed on the Fairfax Drainage District job at Kansas City, Kansas.

Each is designed to deliver 50,000 gallons per minute against a head of fourteen feet, at 300 revolutions per minute, with an efficiency of 80 per cent. Delivering 39,000 gallons per minute, at 247 revolutions per minute, with efficiency of 82 per cent.

There's a definite sturdiness and reliability built into every "American" pump—the result of nearly a half century of designing and manufacturing water pumping and well machinery.

For fire protection, water supply, drainage or sewage pumping—make sure—specify "American" pumps!

Branch Offices:

Chicago, Ill....First National Bank Building
New York, N. Y.....145 Broadway
San Francisco, Calif.....635 Mission Street
Milwaukee, Wisc...Wisconsin Nat. Bank Bldg.
Dallas, Texas.....Western Indemnity Bldg.

DISTRICT SALES AGENCIES:

Philadelphia, Pa.
Pittsburgh, Pa.
Cleveland, Ohio
Detroit, Mich.
Atlanta, Ga.
Jacksonville, Fla.
Charlotte, N. Car.
Birmingham, Ala.
New Orleans, La.
St. Louis, Mo.
St. Paul, Minn.
Omaha, Nebr.
Kansas City, Mo.
Joplin, Mo.
Roswell, N. Mex.
Denver, Colo.
Salt Lake City, Utah
Phoenix, Ariz.
Los Angeles, Calif.
Calgary, Alta., Can.
Edmonton, Alta., Can.

GENERAL OFFICES *and* WORKS - AURORA, ILL. CHICAGO OFFICE - FIRST NATIONAL BANK BLDG.

THE AMERICAN WELL WORKS

Paved in 1913 with TEXACO Asphalt — University Avenue, Toronto, Ontario.

Paved in 1914 with TEXACO Asphalt—Seymour Street, Lansing, Mich.

Paved in 1915 with TEXACO Asphalt—Main Street, Leominster, Mass.

The Quality that Safeguards Pavements of TEXACO Asphalt

Most essential to the long life of a modern pavement is the quality of *resiliency*.

Resiliency—the ability to absorb traffic impact.

RESILIENCY

Thirteen, fourteen and fifteen year old TEXACO Asphalt pavements owe their long and successful service chiefly to the fact that they are *resilient*.

In more than 1175 U. S. cities and towns, pavements of TEXACO Asphalt are today demonstrating the need and the value of *resilient* pavements.

TEXACO

The ASPHALT Pavement of 1175 U. S. Cities

New York
Philadelphia
Richmond
Boston
Jacksonville
New Orleans

The Texas Company
ASPHALT SALES DEPT.
17 Battery Place, New York City

Chicago
Cleveland
Kansas City
Houston
Dallas
St. Louis